

939

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (573)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (600)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (622)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (637)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1508

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&lt;210&gt; 1509

&lt;211&gt; 1230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

940

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<212> DNA  
<213> Homo sapiens

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941

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&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1511

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&lt;210&gt; 1512

&lt;211&gt; 2167

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (272)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (841)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1006)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1745)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

942

&lt;221&gt; misc feature

&lt;222&gt; (2063)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2156)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1512

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943

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2167

&lt;210&gt; 1513

&lt;211&gt; 832

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1513

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&lt;210&gt; 1514

&lt;211&gt; 1364

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1514

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944

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1364

&lt;210&gt; 1515

&lt;211&gt; 1493

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1488)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1492)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1515

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&lt;210&gt; 1516

&lt;211&gt; 2109

945

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1516

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agtctctct 2109

```

&lt;210&gt; 1517

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1517

```

gcttctccaa atcaaaccac agtatatgtt gtaacaatat ctatgaccac tgtagccca 60
ttatattcat tccaattaga agaaatgtga atactatatt ccgtgttttg agtgacaagt 120
ttcgaaaaat aaaaayacwg trtttttaaa agggaaatgc acttaaatga aaacagttat 180
tacaaaagtt aagattttaa aagaaaaagc aagagttttt attatgatgk aataaccagta 240

```

## 946

```

gaatattttaa aaggcacacc acatctgaat aatcaatgta aatattttct ttcaaagttg 300
taagttttca tatcatgtgc tgtaaagttt tcctaaatga ggctttaacg taaacactgg 360
tgacataaac cattcattgc tacgttgctt attgtgtttt tatgctgttt tatacttttt 420
tatgagttat gatagcagca attaagttgt ttgtattttg cttaactaaa acaaaaatgc 480
ttttatcttg ctatagaata aacacatttc agtaaaaact gtggactgta ttttgatgca 540
acaacaaaga aactgttcac ttttcaaata aaatgatatg tcagaaaaaa 590

```

&lt;210&gt; 1518

&lt;211&gt; 425

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1518

```

cgtggctgag gggacccggc gcgggaggag cgggcgcggg cgcgaaaggg agatctttgt 60
gagtgatattt gcaaaaatag attgcgaggt tggttgatt tgcaacctgt ggctctcctc 120
gagggagtaa gaatggggga aggcgcggcg gcggcgcccc ggggagggag tgggtagagt 180
tgagacctca gaaatcggct gagctccggg ggcgggcggg gagaaagggc gggggggcag 240
caggagctag gggccacccc gctgccggat gtagtgaccg tggtaaattgt cttgagaact 300
gtgggttgcg ttgcctttat gatgccgtgt tattggaacc ctggcgaaaa atggaactag 360
tgttgcaata atgagtttta aagctcccc atggaaaaca aaaacacaac caaaccgatt 420
tttta 425

```

&lt;210&gt; 1519

&lt;211&gt; 1186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1145)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1177)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1519

```

ggaaaacttg aagtccaagc cgtgctgctg attccgtctc acagttttaa gactgtccag 60
aaactttaag ctttcaaaac tgtacatttt aaaatcctgt gcgtttatct tcattttgct 120
gggcagaaaag ccaaagtact ggactgcctg gttcagggct gaacgcctag tacacctgct 180
aacttggagc ttcagagcca tggcaaccaa ggagtcaaga gacgccaaag cacagttggc 240
cctctcctca tcggccaatc agagcaagga agtgccctgaa aacccaaaact atgctctcaa 300
atgtactctt gtgggacaca cggaagcagt gtcatacagt aagtttagtc ctaatggaga 360
atggctagca agktcttctg ctgataggct aatcataatt tgggggagca tatgatggaa 420
aatatgagaa aacactctat ggtcataatt tggaaatatc ggatgttgcc tggkcatcag 480

```

947

```

attcmagkcg ycttgkttct gcctyaratg ataaaaactct aaaattatgg gatgtgagat 540
ctggaaaatg tttgaaaaca ctgaaggggc acagtaatta tgtcttttgt tgtaacttca 600
atccgccatc caaccttata atctcgggat cttttgatga gactgtaaaa atatgggagg 660
tgaaaacagg aaagtgtctc aagactttgt ctgctcattc tgaccagtt tctgctgttc 720
attttaattg tagtgggtcc ttgatagtgt caggtagcta tgatggcctc tgtagaatct 780
gggatgctgc atcaggctcag tgtttaaaaa cgctcgttga tgacgataac cctcctgtct 840
cttttgtaaa attttctcca aatggtaaat acattctcac tgcaactttg gacaacactc 900
ttaaactatg ggattatagc agaggcaggt gcctgaaaac atacactggc cataagaatg 960
aaaaatattg catatttgcc aatttttcag ttactggtgg aaagtggatt gtgtctggtt 1020
ccgaggataa ccgggtttac atttgggaac cttcagacta aagagattgt gcaggaaatt 1080
acaaggccat acagatgttg tgatctcagg cagcttggtc atcctacagg aaaacctcat 1140
cggcntcagc aggcnttagg gaaaatggac aaaacantta aactgt 1186

```

&lt;210&gt; 1520

&lt;211&gt; 460

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (266)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (304)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (443)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (455)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1520

```

tcgaccacag cgctccgcaca agargaccaa acatgtacca agtggtgctt ctgtttgttg 60
ttgtccctga gctgcaggaa catcagtcga aaccgagcag gccatcacc agagtagcag 120
acaaccctga agagggcaga gagccacata atgacaggcc tgtgagcatg gcctttgggt 180
gccagccaga gcatgtgtat gctgagtgtg gaaagaccta cagaccgcc ccaaccccc 240
agctctttcc acagtccacc gtaganaaca ccacccctc ctttaccagt gggacacaag 300
aatncttggt tgtcttcctt atttccattt ccagaagact tttttccact ccacttttcc 360
ttctctcgca atttgcaatc cctttgttgg ctttataagt tattaagctt tttccactcc 420
tgggtggtt tttcccccta gcnagctccc ctganccag 460

```

&lt;210&gt; 1521

&lt;211&gt; 1672

&lt;212&gt; DNA

948

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1583)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1645)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1663)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1521

```
ccagcctcca ggcacccggg atccagcgcc gccgctcata acacccgcga cccgcagct 60
aagcgcagct cccgacgcaa tggacccggc gctggcagcc cagatgagcg aggctgtggc 120
cgagaagatg ctccagtacc ggcgggacac agcaggctgg aagatttgcc gggaaggcaa 180
tggagtttca gtttctctgga ggccatctgt ggagtttcca gggaacctgt accgaggaga 240
aggcattgta tatgggacac tagaggaggt gtgggactgt gtgaagccag ctgttggagg 300
cctacgagtg aagtgggatg agaatgtgac cggttttgaa attatccaaa gcatcactga 360
cacctgtgtg gtaagcagaa cctccactcc ctccgctgcc atgaagctca tttctcccag 420
agattttgtg gacttggtgc tagtcaagag atatgaggat gggaccatca gttccaacgc 480
cacccatgtg gagcatccgt tatgtcccc gaagccaggt tttgtgagag gatttaacca 540
tccttgtggt tgcttctgtg aacctcttcc aggggaaccc accaagacca acctggtcac 600
attcttccat accgacctca gcggttacct cccacagaac gtggtggact ccttcttccc 660
ccgcagcatg acccggtttt atgccaacct tcagaaagca gtgaagcaat tccatgagta 720
atgctatcgt tacttcttgg caaagaactc ccgtgactca tcgaggagct ccagctgttg 780
ggacaccaag gagcctggga gcacgcagag gcctgtgttc actctttgga acaagctgat 840
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ccccactcag ggttggcgtg tgatgagcca ttcattgtgtt ccaaactcca tctgcctgtt 960
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gttctcrгаа gtgattctga actgagcacg cactcatgtc tgcatgggga actctgggga 1500
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cggaggcagg gagggctctc gtncctttcca gggccctggg cagggccatc ctggccattc 1620
agggaagat gggaagagtt agggnctccg ttttaggcag ccntgggtgg ga 1672
```

&lt;210&gt; 1522

&lt;211&gt; 588

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

949

&lt;400&gt; 1522

```

aggcgtatac caccatgact gaaaacaaaa gacttttttt tgagactccc tctcaaaaac 60
aaaacaaaac aaaaaaatta gacaaatgct acattaatgt ttgggtgggc agattctact 120
ttgaatctga agtttgcaga tatgcctata gatttttggg gtttaccact ttcttattct 180
gtatcattaa tgaatatatt taaattacta tatatgttac catttttctg gatttagtaa 240
gaaatttgca gttttgggtt gatgtaacaa gggttttaat gtaatttatg ttagattttg 300
catttttttc attactgtta tattttaacc tgactgactg atctaattgt attagtattg 360
tgaataatca tgtgaaatgt tttgagacag agtactatat ttgtgaatat aattttatgg 420
tttttttcac ttagaacctt tctgtgtgga aaactaagaa aattgctttc tgctgtataa 480
tctggcattc attgtagatt aaagcttatt tttctgtgaa taaaacgtat tcaataaaat 540
actattcttt aaaattawaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 588

```

&lt;210&gt; 1523

&lt;211&gt; 520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (490)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (495)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (496)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (503)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1523

```

cggcacgagg attttactga tactgcttat ctgttttaaaa ttcagataga aagtctgaat 60
gacaaattac aaaatgctaa agaacagctt cgagaaaaag agttttataat gctacaaaat 120
gaacaggaga taagtcaact gaaaaaagaa attgaaagaa cacawcaaag gatgaaagaa 180
atggasagtg ttatgaaaga gcaagaacag tacattgcca ctcaagtacaa ggaggccata 240
gattttggggc aagaattgag gctgaccggg gagcagggtgc agaactctca tacagaattg 300
gcagaggctc gtcacagca agtccaagca cagagagaaa tagaaaggct ctctagttaa 360
ctggaggata tgaagcaact ctctaaagag aaagatgctc atggaaacca ttagctgaa 420
gaactggggg cttctaaagg acgtgaagct tatttagaag caagaatgca agcagaaatc 480
aagaaattgn cacannaagt agnaatctct tcaaagaagc 520

```

&lt;210&gt; 1524

&lt;211&gt; 2791

950

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1524

```
gtcacctgac acctcaccgg tccggaattc ccgggtcgac ccacgcgtcc gcccacgcgt 60
ccgtaatccg tggttttctg gagcatttca cagcctagga acatacaagg ggggcatctc 120
cctggaatgt aaattgacta agaggaattc aataatggtc aaatgaatgc agaatttttag 180
agtcttgctt agtattctca ccacatttcg tttartctac tcatactctt tttctcttac 240
tgctgacact agatggaaaa actcttaatt aaaagtattt cacaaaatgt gctcgttttc 300
agtcattccg tttccactcc agcctgttgt gttgtttttt tgaaataata atttaaagta 360
attttccttt tgcaggatgg catagtcaat ccaacaataa gaaaagattt gaaaactgga 420
ccgaaattct actgctgtcc aattgaaggc tgccccagag gccctgagag accgttttct 480
cagttttctc tcgtaaaaca gcactttatg aaaatgcatg ctgagaagaa gcacaaatgt 540
agtaagtgca gcaattcgta cggtagacaa tgggacctga aaagacatgc agaggactgt 600
ggcaagacct tccggtgcac atgcggctgt cctacgcca gtagaacagc actgcagtct 660
cacatctacc gaactgggca cgagatacct gcagaacaca gggaccacc tagtaagaaa 720
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aacaaccaac caatccctag accagacact caagaactag aagcttcaga aataaagcta 840
gaaccatctt ttgaagactc ttgtggctct aacactgaca agcagactct tacaacacca 900
ccgagatata ctcagaagtt gcttttacca aagcccaaag tggctttggt taaactaccc 960
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gtaggaaccc tgatcctcgg cctagattca gaggcttgct ctcttaagga gagcctacct 1140
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gatcatcgta gtctttttgtc tgacacaaat cctggacctg acacccagct cccatctggc 1920
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gcaatggatg actttcttct ggctgatctg gcctggaaca cgatggagtc tcagttcagc 2460
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acaacagtat taattcgatt gaatgtggct gatgatgcag ttgcttagct tctttgtgtt 2640
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ttgagatggt gatctaaatt gtttttgtgt tgccctacatt tgccctttca cagctagtct 2760
tttcatgtta aaaaaaaaaa aaaaaaaaaa a 2791
```



951

<210> 1525  
<211> 687  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (686)  
<223> n equals a,t,g, or c

<400> 1525  
gggtcgaccc acgcgtccgc ccacgcgtct gccaaatact tgctyaaact atttgacatt 60  
ttctatcttt gtgttaacag tggacacagc aaggctttcc tacataagta taataatgtg 120  
ggaatgattt gggttttaatt ataaactggg gtctaaatcc taaagcaaaa ttgaaactcc 180  
argatgcaaa rtccagagtg gcatttttgc actygtgtct atgccttgat agctttccaa 240  
aatgaaagtt acttgaggca gctcttggtg gtgaaaagtt wtttgtagac tagagtaaga 300  
ttattagggg tatgtctata cracaaaagg gggggtcttt cctaaaaaag aaaacatgat 360  
gcttcatttc tacttaatgg aacttggtgt ctgaggggtca ttatgggtatc gtaatrtaaa 420  
gcttggatga tggttcctgat tatctgagaa acagatatag aaaaattgtg ycggaactaa 480  
ataattttcg ttgaacatgc tgccataact tagattattc ttgggttaaaa aataaaaagtc 540  
acttatttct aattcttaaa gtttataata tatattaata tagctaaaaa tgtatgtaat 600  
caataaaacc actcttatgt ttattaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660  
aaaaaaaaaa aaaaaaaaaa aaaaana 687

<210> 1526  
<211> 708  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (594)  
<223> n equals a,t,g, or c

<400> 1526  
ttcaccataa tagttctaata taaaatgggc cttgctgtag gagagacaaa ggggcttttc 60  
ctctagctgg taactattca gatgatggac aagtccttct tcataaaaaga ttacaaagaa 120  
ggcatccgaa tcaactgtctg tgatactggg tcacatatta atcactgcag ctaattgtaa 180  
atcttyctat gaaacactga aaagcctctt tgtgaattaa tacagtctct cttgatgcac 240  
ttgatattgaa aagacatttc tctgtatgtg gcgcagtgtc gctttgcttt gaaaaataac 300  
aaagtttagca gaatatgttc aatatatttt cttgggggaat aggggtttta ttacatgatt 360  
cattaaggat ttgccttacc ctgacatttg tgatataaag gaaaatcaga aaaaagtaa 420  
ttttcttgat caagatatgt ttttacttaa tgcaataaaa tgtagtctgt tgcttgcaag 480  
gaaaaaaaaa tggcttctga tatctggtat aaactgctaa ataggataat acgtgcctct 540  
tttgttaaac cggcatttaa atgctggact gcttctaaat ctgtttgttt cttntcatct 600  
gtgccataca ctaaaaaaca actgttgccct tcatactata tttgttagag cagaatacaa 660  
ataaaatttg agaggatwat gtgaaaatta taattaaaag ggcggccg 708

<210> 1527  
<211> 618

952

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1527

```
ttcacacaat atgggggcagc atgcttttgt gacttttaaaa tagatcaagg aacttttgct 60
tttgaagaga gaaatttcct tggncctggg acaagagcag tagatgtgcc caagagtaag 120
gatgtgtgtt gtccttgggt tagccactgt aggtttataa cctggtagga aattttcata 180
ggaagggccca aaaattcaag atgctcattt gcaagttgtc ttctaggggtg ttgcctgaac 240
ctaggctgca gtagaagtgg ggcttggagg taggcgatat tgaaatccca ggtaaatgct 300
aatctccatc tcagatccag gacaatgcag accagcttcc ttttgggaaa tggaggttct 360
tarttaatat gttctggctc ttacatttct gataccgcta ctggtgccaa cctaaatcag 420
cagcctagtt ctgagcagaa ggcagcagag gatggcaagg ttggagggtg gatagaagct 480
gtgggagttg ggtggctcct gtctgcacac tggacaaggg gcacctgag aaaaataatt 540
ctttaaaaaa ttaaaaaaaa aataagctgt gggagttgag ggtttaattg cttggccact 600
tggccttctc ctctgtgcc                                     618
```

&lt;210&gt; 1528

&lt;211&gt; 1103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1074)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1528

```
cgcacgcaa acgggtttgg aggacctct tgccttcgg agagcagagt caacacggag 60
agttttggga ctggaattaa ataaagacag agatgttgaa agaatccacg gcggtggaat 120
taacaccctt gacattgaac ctgttgagg gagatacatg ttatcaggtg gttcagatgg 180
tgtgattgta ctttatgacc ttgagaactc cagcagacaa tcttattaca catgtaaagc 240
agtgtgttcc attggcagag atcatcctga tgttcacaga tacagtgtgg agactgtaca 300
gtggtatcct catgacactg gcatgttcac atcaagctca tttgataaaa ctctgaaagt 360
atgggataca aatacattac aaactgcaga tgtatttaat tttgaggaaa cagtttatag 420
tcatcatatg tctccagtct ccaccaagca ctgtttggta gcagttggta ctagaggacc 480
caaagtacaa ctttgtgact tgaagtctgg atcctgttct cacattctac agggctcacag 540
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tgctgacagt agagtaaaat tatgggatgt gagaagagca tcaggatgtt tgattactct 660
tgatcaacat aatgggaaaa agtcacaagc tgttgaatca gcaaactg ctcataatgg 720
gaaagttaat ggcttatgtt ttacaagtga tggacttcac ctctcactg ttggtacaga 780
taatcgaatg aggctctgga atagttccaa tggagaaaac acacttgtga actatggaaa 840
agtttgtaat aacagtaaaa aaggattgaa attcactgtc tcctgtggct gcagttcaga 900
atttgttttt gtaccatatg gtagcaccat tgctgtttat acagtttact caggagaaca 960
gataactatg cttaagggac attataaaac tgttgactgc tgtgtatttc agtcaaattt 1020
ccaggtaact tatagtggta gcagagactg caacattctg gcttgggttc catncttata 1080
tgaaccagtt cctgatgatg gtg                                     1103
```

953

<210> 1529  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (206)  
 <223> n equals a,t,g, or c

<400> 1529  
 taaaaaaagn ggggttttaa cgggcccccc tttggggccc aaaggagggt tttaaccccc 60  
 cggggggggt tccccccggg ggggraaaaa attttttccc cccccccggg ggggggggtt 120  
 cccgggaaac ccccccccaa aaccggggcc cgggktttcc ccccgggggg ggggcctttc 180  
 ccaaaatttt tttttgcccc aaacnnttcc caaaaaattt 220

<210> 1530  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<400> 1530  
 gaggggaggc gggctagtaa ccatagcggc tcgctggggt cggctggcaa gtaaccatag 60  
 cggcgagcgt ggggcggagt gtggctcggc agtcctctgc gtgccctcct gggagctggg 120  
 tgctgtgagt cctccccctag cgggctggtc tcggcgcgga gtcggcgccg aaccgagct 180  
 gctgctctgg ggcgtgtgcc tagggcgagc ggctggagcg cggggctgcg cggttgctcg 240  
 cgstccgctg aggtctctag gaaagggggc gatttgaggg ttccgccgtg accgcttcca 300  
 rcggcgagca cgcgcgtctt ggaccagagc cgttgcccgc tgtctcgtca cccgaagcct 360  
 cctcctgacg ccgtgctagt gcgaggggtc ccaggggaat tcggggcaca agtcggggccg 420  
 gagcatccgg gcggccgc 438

<210> 1531  
 <211> 2062  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1022)  
 <223> n equals a,t,g, or c

<400> 1531  
 gcccacgcgt ccgcccgaact cggagcccct cggcgggcgcc cggcccagga cccgcctagg 60  
 agcgcaggag ccccgagcga gagaccccaa cgccgagacc cccgccccgg ccccgccgcg 120  
 cttcctcccg acgcaragca aaccgcccag agtagaarat ggattggggc acgctgcaga 180

954

```

cgatcctggg ggggtgtgaac aaacactcca ccagcattgg aaagatctgg ctcaccgtcc 240
tcttcatttt tcgcattatg atcctcgttg tggctgcaaa ggargtgtgg ggagatgarc 300
aggccgactt tgtctgcaac accctgcagc caggctgcaa gaacgtgtgc tacgatcact 360
acttccccat ctcccacatc cggctatggg ccctgcagct gatcttcgtg tccacgccag 420
cgctcctagt ggccatgcac gtggcctacc ggagacatga gaagaagagg aagttcatca 480
agggggagat aaagagtga ttaaggaca tcgaggagat caaaacccag aagggtccgca 540
tcgaaggctc cctgtggtgg acctacacaa gcagcatctt ctccggggtc atcttcgaag 600
ccgccttcac gtacgtcttc tatgtcatgt acgacggctt ctccatgcag cggctggtga 660
agtgaacgc ctggccttgt cccaacactg tggactgctt tgtgtccggg cccacggaga 720
agactgtctt cacagtgttc atgattgcag tgtctggaat ttgcatcctg ctgaatgtca 780
ctgaattgtg ttatttgcta attagatatt gttctgggaa gtcaaaaaag ccagtttaac 840
gcattgcccc gttgttagat taagaaatag acagcatgag agggatgagg caaccctgtc 900
tcagctgtca aggtcagtc gcyagcattt cccaacacaa agattctgac cttaaattgca 960
accatttgaa acccctgtag gcctcagggt aaactccaga tgccacaatg gagctctgct 1020
cncctaaagc ctcaaaacaa aggcctaatt ctatgcctgt cttaattttc tttacttaa 1080
gttagttcca ctgagacccc aggtctgttag gggttattgg tgtaagggtac tttcatat 1140
taaacagagg atatcggcac ttgtttcttt ctctgaggac aagagaaaaa agccaggttc 1200
cacagaggac acagagaagg ttgggtgtc ctctgggggt tctttttgcc aactttcccc 1260
acgttaaagg tgaacattgg ttctttcatt tgctttggaa gttttaatct ctaacagtgg 1320
acaaagttac cagtgcctta aactctgtta cactttttgg aagtgaatac tttgtagtat 1380
gataggttat tttgatgtaa agatgttctg gataccatta tatgttcccc ctgtttcaga 1440
ggctcagatt gtaatatgta aatggtatgt cattcgctac tatgatttaa tttgaaatat 1500
ggctcttttg ttatgaatac ttgcagcac agctgagagg ctgtctgttg tattcattgt 1560
ggcatagca cctaacaaca ttgtagcctc aatcgagtga gacagactag aagttcctag 1620
tgatggccta tgatagcaaa tggcctcatg tcaaataatt agatgtaatt ttgtgtaaga 1680
aatacagact ggatgtacca ccaactacta cctgtaatga caggcctgtc caacacatct 1740
cccttttcca tgactgtggt agccagcatc ggaaagaacg ctgattttaa gaggtcgctt 1800
gggaatttta ttgacacagt accatttaat ggggaggaca aaatggggca ggggaggag 1860
aagtttctgt cgttaaaaac agatttgga agactggact ctaaattctg ttgattaaag 1920
atgagctttg tctacttcaa aagtttgttt gcttaccctc tcagcctcca attttttaag 1980
tgaaatatac tataacagtg aaagatagaa gcyaaaggta gataatatga gcrtctakag 2040
gaagrattga aacccccctt tg 2062

```

&lt;210&gt; 1532

&lt;211&gt; 1158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (161)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (339)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1532

```

cccgcgcgag gcgaagtcgc tgagactctg cctgcttctc acccagctgc ctggcgctg 60
ccccggtcgc tcgccgcccc tccctttgcc ctacacggcg cccggccctc cttgggctgc 120

```

955

```

ggcttctgtg cgaggctggg cagccagccc ttcccccttct ntttctcccc gteccctccc 180
cccgaccgta gcaccagagt cgcgggtcct gcagtgcctcc agaagccgca cgtataactc 240
cctcggcggg taactcattc gactgtggag ttctttttaat tcttatgaaa gatttcaaatt 300
cctctagaag ccaaaatggg acacagtata cagattcgna ttttacttct gaacgaaatg 360
gagaaactgg aaaagacctt cttcagactt gaacaagggt atgagctaca gttccgatta 420
ggcccaactt tacagggaaa agcagttacc gtgtatacaa attaccattt tctggagaaa 480
catttaatag agaaaaattc cgttctcagg attgggaaaa tccaacagaa agagaagatg 540
attctgataa atactgtaaa cttaatctgc aacaatcggg ttcatttcag tattattycc 600
ttcaaggaaa tgagaaaagk ggtggagktt acatagtgtg gsmccccatt ttacgtgttg 660
ktgctgataa tcatgtgcta cccttggaact gtgttactct wcagacattt ttagcwaagt 720
gtttgggacc ttttgatgaa tgggaaagca gacttagggg tgcaaaagaa tcaggctaca 780
acatgattca ttttacccca ttgcagactc ttggactatc taggtcatgc tactcccttg 840
ccaatcagtt agaattaaat cctgactttt caagacctaa tagaaagtat acctggaatg 900
wtgttggaac gctagtggaa aaattaaaaa aggaatggat tgttttttgt attactgatg 960
ttgtctacaa tcatactgct gctaatagta attgtatcca ggaacacca gaatgtgcct 1020
atattcttgt gatttctcca cactaaaacc ctgcctgggt cttagacaga gcactttggc 1080
ttttctcctg tgatgttgca gaagggaat acaaagaaaa gggaatacct gctttgattg 1140
aaaatgatca ccatatga                                     1158

```

&lt;210&gt; 1533

&lt;211&gt; 576

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1533

```

gggtgttcac tattgtgaat ttataatctt aaaagttggg gatgctaaaa gtaccagact 60
aaaatamtac gaggttttct catcttttaa ttccattttg ttagaaaaaa atartcacia 120
ccggggttct tttacctttc cccagccatc tagactgctt tactgcaatg ttgggaagat 180
tgcatacaat aaaaactgta gctagtgtgat tgggattttg gaaaattgaa tcaagcattt 240
gcattcatcc agaatggtct taaactgctg actgtggggg gccacagga tgagcactgg 300
tggcatgggt gggaggaatt tccttggaata ctgcaattgc atttgaaaga tctattttcc 360
aaaacctgag cagagagagg ctaggaggaa tgcagacagg acattgaaaa tgccaattcc 420
ctttactagt agaacatgaa atatctgata aatggtttaa aaaaaataag tgccaggata 480
cattgtagta taaaggttca actagtataa tttaaaatga gtctttatat tcaggncagg 540
gtgcgggtggc tcacacctgt taatnccagg cacttt                                     576

```

&lt;210&gt; 1534

&lt;211&gt; 901

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 956

&lt;400&gt; 1534

```

gtgcgcgcgc gtcctgcggc agctggccca agacccggag ccgaaaggaa gtgttgagc 60
ctgaggtcgc tccggccgct aggaggacgc tgtgcctggc ctgggacctc cgctcccgcc 120
caccgccctg gagccgctga gggacgtcca cgtgggcctg tccccgccga gccgcggccc 180
tgtccgctgg cgctgctctc gggccactac ctctactacc actacggctg cgacggcctg 240
gacgaccgcg gctggggytg cggctaccgc actctgcaga cgctgtgctc gtggccagag 300
ggccagcccc cgggcgtacc tggactggcc gccgtacagg cggccctgga ggacatgggc 360
gacaagcccc ccggcttccg gggctcccg gactggatcg gctgcgtgga ggccagcctc 420
tgcctcgctc acttcggagg gccccaggga cgcctctgcc acgtaccccc gggagtgggg 480
ctgcacgggg agstggagag gctttactcg cacttcgcag ggggtggggg cccagtcag 540
gttggggggg acscagatgc caggccaag gccttgctgg gartctgctg cgggtcaggc 600
acggaagcct atgtcctggg attggaccct cactactggg gcaactccaa aagccccagt 660
gaactacagg ctgctgggtg ggtgggctgg caagaggtga gtgcagcctt tgaccccaac 720
tccttctaca acctgtgctt gaccagcctt agctcccaac agcagcagcg caccttgga 780
tgaggacgaa gttacagaac tgagattctc ggggtcccaga cacgcaccta tgtacctccc 840
actggtgtcc ctgcaaagcc tggcgctttt gacatcaata ataaaagtgg cagggtgag 900
c 901

```

&lt;210&gt; 1535

&lt;211&gt; 1152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1147)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1535

```

caccncatt aagggancaa agctggtgct ccaccgcggt ggccggccgct ctagaactag 60
tggncccccc gggctgcagg aattcggcac gagctctttc aggcctttaat agatattcaa 120

```

957

```

gaattttatg aagtgacctt actggataat ccaaaatgta tagatcgttc aaagccgtct 180
gaaccaattc aacctgtgaa tacttgggag atttccagcc ttccaagctc tactgtgact 240
tcagagacac tgccaagcag ccttagccct agtgtagaga aatacaggta tcaggatgaa 300
gatacacctc ctcaagagca tatttcccca caaatcacaa atgaagtgat aggtccagaa 360
ttgggttcag tctcagagaa gaacttatca gagattgaga atgtccatgg atttggttct 420
cattctcata ttccaccaat aaagccaaca gaagctgttc ttccctctcc tcccactgtc 480
cctgtgatcc ctgtcctgcc agtccctgct gagaatactg kcatcctacc caccatacca 540
caggcaaata ctcccsagt actggtcaac acagatagct tggaaacacc aacttacgtt 600
aatggcacag atgcagatta tgaatatgaa gaaatcacac ttgaaagggg aaattcaggg 660
cttgggttca gcattgcagg aggtacggac aaccacaca ttggagatga ctcaagtatt 720
ttcattacca aaattatcac agggggagca gccgccaag atggaagatt gcgggtcaat 780
gactgtatat tacgagtaaa tgaagtagat gttcgtgatg taacacatag caaagcagtt 840
gaagcgttga aagaagcagg gtctaytgta cgcttgatg taaaaagaag gaaaccagt 900
tcagaaaaaa taatggaaat aaagctcatt aaaggtccta aaggtcttgg gtttagmatt 960
gctggagggtg ttggaaatca gcatattsct ggggataata gcatctatgt aaccrraata 1020
attgaaggag gtgcagcaca taaggatggc aaacttcaga ttggagataa acttttagca 1080
gtgaataacg tatgtttaga agaagttact catgaagaag cagtanctgc cttaaagagc 1140
acatctnatt tt 1152

```

&lt;210&gt; 1536

&lt;211&gt; 1532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (231)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1536

```

gaagaggacc tcgatactgt cctccattg aatcaaaagt tttgcgtttt ccaaaccgtc 60
tacatcaggt ttggttgga cctgaaggaa tggattctga ccttatctac ccacaggggt 120
tatctatgac gctaccagct gagttacaag agaaaatgat cacatgcac agaggcttgg 180
agaaagctaa agtgattcag ccaggctacg gtgntcagta tgattactta natccccgtc 240
agatcacccc ttccctggan actcatttgg ttcaacgact cttctttgct ggacagatca 300
atggcaccac tggttatgag gaagctgcag ctcaaggtgt gatagccgga atcaacgcca 360
tcttcgggtc agtcgcaagc ctcccttgtt ggtagccga acagaaggtt acataggagt 420
cttgattgat gacctacta ctctgggcac caktgaacca taccgatgt ttaccagccg 480
agtagagttc cgtttgtcac tgcgcctga taatgctgac agccggctca cactgcgagg 540
gtataaagac gctggctgtg tgtcccaaca acgatatgaa agagcttgtt ggatgaagtc 600
ttcttttagaa gaaggcattt ctgtgttgaa atctattgag tttttgagct ctaaatggaa 660

```

958

```

aaaattaatc ccagagggtt ctataagtac tagtagaagt ctgcctgtca gagctctcga 720
tggtctgaag tatgaggaag ttgacatgga ttcattagcc aaggctgttc cagagccctt 780
gaagaagtat actaaatgta gagagctggc tgaaagactg aaaatagaag ccacttatga 840
atcagtgttg ttccatcaac tacaagaaat aaagggagtt cagcaagatg aagctctcca 900
actgccaaaa gacctagatt atttgactat cagggatgtg tctttgtccc atgaagttcg 960
agagaaacta catttttagtc gtccacagac gatcggggct gctagtgcga taccggagt 1020
aacacctgcc gccatcatca atctgctgag atttgtgaag accactcaac gaagacagtc 1080
ggctatgaat gaatcatcca agactgatca atacttatgt gatgcagaca gacttcaaga 1140
gagagagtta tagctttcaa ttcataaaaag attttttaaag agcatataaa taatttgatc 1200
aatacaacag tatagataaa agaattattht agcacatgtt aaaatagctt tattaggtta 1260
ctatggggtt gccattaatt tctgagtggg acagaaatta taattgtgct ttttcgtgta 1320
tatgaaaaaa ctagtcgtaa acaatttgta ctctttcttt aaggagctgt aatacaata 1380
actttgtgca gtgttcatca aagagagaga cagtgaacct aaaactgaac ctggaataaa 1440
actcaacatg cagatttgcc tactcatagg gactttgcct attaagtcta ccaaattaaa 1500
agtcttatca ttcaaaaaaa aaaaaaaaaa aa 1532

```

&lt;210&gt; 1537

&lt;211&gt; 482

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (440)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (469)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1537

```

cttgggtatc ggctattgcc tgagtgtgct agagtcctcg aagagtaact gctgacctta 60
ttcactggct gtgggcctta tggcacagtc agtcaccagg ttagagacat gcttcacatt 120
cacctaccca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
agtatgtaga ttttccatag agtgctgtta tgtgacttga attttagtct cgccctgcc 240
tctgacattg tcggtgggtt atcctgggtc caggaaataa gactagcctt ttcctcatga 300
tagtctttgg tgggtttttaa aacagttggt taagtcaaca gatgtatcat atgcctgaca 360
ctgctctaca ccagtgaata atttacactc taataggggg tggttaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtggttgt tacctcttnc tagccacca 480
gg 482

```

&lt;210&gt; 1538

&lt;211&gt; 723

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1538

```

gagaccggaa atatgaaagg ataagttcag gatgtattcg ttccaagtcc ctttctctgc 60
aaatgcgcca cagcaagtat tggaagggcc ccccggcagc cagtccggcc atgtctccca 120
caacctgtt ggtcactgga gccacttccc tgcccacgac agcacctat gccatgcctg 180

```



959

```

agttccagcg ggtcaccatc agcggagatt actgtgccgg gatcactttg gaggactatg 240
agcaggcagc caagagtctg ccaaggccct aatgatccgg gagaagtatg cgggctcgcc 300
taccacactt cccgcggatc acatcccagt acctgggtca tcgcgggcgg atactgcacc 360
tccggaagag ggccttccag acttccaccc tcctccactg cccaggaag acccctactg 420
cctggatgat gcacccccca acctggatta cttggtccac atgcaggggg gcacccctct 480
tgtgtatgat aacaagaaga tgctggagca ccaggagccg cacagcctac cctaccccca 540
cctggagacc tacacggtgg acatgagcca catcctggct ctcacaccg atggcccccac 600
gaaaacctat tgtcaccggc gactgaactt tctggaatcc aagttcagcc ttcattgagat 660
gttaaacgaa atgtccgagt tcaaagagtt gaagagtaac cccaccggg acttctataa 720
cgt

```

&lt;210&gt; 1539

&lt;211&gt; 937

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (548)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1539

```

taataatgtg tagagctaaa ggaagcagtg gagacaacct gaagtagaag tgtttcacag 60
agaatgctaa tttctggagc ctgagccact actttttttt tttttaaaca gatagaacag 120
acttagcttt ctgaagagct ttaaaaactc ttgatgcctg tgcctgttac tacagaatgc 180
tctgctgtct gccttttagag tgtagaaatc ctagttagac tagtattctg gctacttctg 240
tagtctaaac atttacttct tgaggggctt ggggcattta ttcagagcca aggctctggg 300
tcattaagga taagaggaat ggaataatta aagacatcgg tcatcaacta attcccattc 360
ctccttttct tgctccttgt ttcctcagct gtaaaatcac aatgattctg atacccactc 420
ttataatatt gctctgagga ttaaatttgg taatcaacat aaagcactga tcacattgcc 480
cagtgcatag taagcgctct aaatatctgc tattttttatc atgtagtgtt ggttgaaatt 540
ggttttgngt tctccactct tagtttaaaa aatagtatga gtcgaatgtt tcatattgcc 600
ctgtctcagg ggaaaaaaaa aattgctttt tgcatagtct tcagttgatt cccactcact 660
atgatggcta tatagaacac aagttctcta ccatttctgc agtattttta aaattccttt 720
aaaaaaaaacta atatttattg tgggacaaaa tattatatgc ttacttagaa tattgggaag 780
atggtaaaaga atacaaagaa aaaaacaatt gtacccctca ttctagacac aacttgctgt 840
tcacgtcttt ggggtgtatt tccattccta ctagatggaa ccatttatat gtttacctaa 900
ttcggatcat gttgcataca gttttgttcc cttcaaa

```

&lt;210&gt; 1540

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

960

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (284)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1540

```

ggcgcgtggcc accaagccccg ggcgcagttt ctctccgccc acggcaggag cgaaggaagg 60
ccctggngcg agcgggtaaa ctgcccaccg ggcgggccac ccgctgcgcc cccggccccgc 120
aagaggcagc cccaataggt tggcccgncg ggccgaagtc cgcccgagc ccgctcacct 180
gtcagcccc actgccgaca gggacactaa cagggtgaaga tctcgggaga ccatgactaa 240
gaaaagaatt gctgtgattg ggggaggagt gagcggctct cttncatcaa gtgctgcgta 300
gaagaaggct tgggaacctg tctgctttga aaggactgat gacatcgaa gggctctgga 360
ggttccaggg a 371

```

&lt;210&gt; 1541

&lt;211&gt; 906

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (358)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1541

```

accaacctca cttaaagggac aaaagctgga gctccaccgc ggtggcggcc gctctagaac 60
tagtggatcc cccgggctgc aggcggagtg gggccctgca gcttccccgg gaggaaggag 120
acaggctcga ggatgtcttg cagtggatgc tggagagtga gcggcagagc aagcccaagc 180
cccatagtgc ccaaagcaca aaaaaggcct accccttgga gtctgcccgc tcgtctccag 240
gngaacgagc cagccggcac catctgtggg ggggcaacag cgggcacccc cgcaccaccc 300
cccgtagccca cctgttcacc caggaccctg cgatgcctcc cctgacccca cccaacangc 360
tggnttcagc tggaggaggm ctgtcgcagg ctagctgagg tgtcgaagcc cccaaagcag 420
cggtgctgtg tggccagtca gcagagggac aggaatcatt cggccactgt tcagacggga 480
gccacamcct tctccaatcc aagcctggct ccagaagatc acaaagagcc aaagaaactg 540
gcagggtgtcc acgcgctcca ggccagttag ttggttgtca cttacttttt ctgtggggaa 600
gaaattccat accggaggat gctgaaggct cagagcttga ccctgggcca ctttaaagag 660
cagctcagca aaaagggaaa ttataggtat tacttcaaaa aagcaagcga tgagtttgcc 720
tgtggagcgg tgtttgagga gatctgggag gatgagacgg tgctccccgat gtatgaaggc 780

```

961

cggattcttg gcaaagtgga gcggatcgat tgagccctgg ggtctggctt tggatgaactg 840  
ttggagcccg aagctcttgt gaactgtctt ggctgtgagc aactgacgaca aaacattttg 900  
aaggaa 906

&lt;210&gt; 1542

&lt;211&gt; 979

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (735)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1542

aatgaacaag ctgaatgagc tagagaaaat atgtgaaata ctgcaggctg aaaagtatga 60  
nctcgtaact gagctgaatg attcaaggctc agaatgtatc acagcaacta ggaaaatggc 120  
agaagaggta gggaaaactac taaatgaagt taaaatatta aatgatgaca gtggtcttct 180  
ccatggtgag ttagtggaag acataccagg aggtgaattt ggtgaacaac caaatgaaca 240  
gcaccctgtg tctttggctc cattggacga gagtaattcc tacgagcact tgacattgtc 300  
agacaaaagaa gttcaaatgc actttgccga attgcaagwg aaattctmmt ctttacaag 360  
tgaacacaaa attttacatg atcagcactg tcagatgagc tctaaaatgt cagagctgca 420  
gacctatgtt gactcattaa aggccgaaaa tttggtcttg tcaacgaatc tgagaaactt 480  
tcaagggtgac ttggtgaagg agatgcagct gggcttgag gaggggctcg ttccatccct 540  
gtcatcctct tgtgtgcctg acagctctag tcttagcagt ttgggagact cctcctttta 600  
cagagctctt ttagaacaga caggagatat gtctcttttg agtaatttag aaggggctgt 660  
ttcagcaaac cagtgcagt tagatgaagt attttgcagc agtctgcagg aggagaatct 720  
gaccaggaaa gaaanccctt cggccccagc gaagggtgtt gaagagcttg agtccctctg 780  
tgagggtgtac cggcagtcctc tcgagaagct agaagagaaa atggaaagtc aagggattat 840  
gaaaaataag gaaattcaag agctcgagca gttattaagt tctgaaggca agagcttgac 900  
tgccttagga gcagtatttg tcagacatga cagtggcaca gagctgacag cgtgactctg 960  
agatgagtcc agttggcgc 979

&lt;210&gt; 1543

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (296)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (299)

962

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1543

```

gccccactgg gaaaagaagt gtatccgtct tgctcttmaa accagggagc aacacattcg 60
gagagacaag gctaccagca acatctgtac agctcaggcc ctcttggcga atatggctgc 120
catgtttgca atctaccatg gttcccatgg gctggrgcat attgcctagg agggtagata 180
atgccacttt gattttgtca gaaggctcga agcgagcagg gcatcaactc cagcatgacc 240
tgttctttga taccttgaag attcagtgtg gctgctcagt gaaggaggtc ttgggncang 300
c                                                                 301

```

&lt;210&gt; 1544

&lt;211&gt; 652

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1544

```

ccaaataaat ttgactgatg ccaaaactga agctgccaat gtaatgaaat gttaagggtgg 60
ccataggaca gtccttttaa taaaagcttc catgtaaaac caaaataaag gtcagtatag 120
aaagtatcat ggggtatata acaaactgaa tttttggctt ccaatccaaa ctgggctaaa 180
tggtatgttt attttaaaaca aggaatttgc catggacaag atctatctgg ctactgtga 240
gttagaagta cgccctgccg taacactggt atttccacat agtatggaag aggaagagag 300
gaaaacttaa ttaagtgttg caaaattggt tgaggaccta ttttggtcca ttccttatca 360
actccatgtg tgatttcaag ttatctaaag ggcattgtgac tttatttctg actaacatca 420
agttcctctc ctcatcataa caaggcgatt caaacctaaa ctgtgattct taggagatgc 480
ttccaagggg aagctccctc gttggacatc cagaagattg cattttctct tcagagtaca 540
attttccatc tgtcagagca tgtctgaata aaaatttgaa cctactacaa actacattag 600
aataattttc aagtattttt ctgtcacaaa aatgggtgtga cagaatgtgt tg 652

```

&lt;210&gt; 1545

&lt;211&gt; 2236

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2215)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2223)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1545

```

gctctaagtc acgggaactg cccttgctac ttgtgacctg ccctttactc agcagttttt 60
gttctgggaa gccctgggat tctgctaata cctatcactg taggtgctga agggaaacag 120
atgaagaaca tgacctcaag gagcttctct tcaatgagaa gaccaagctg acgcctggca 180
aagatattaa agaggagcct gaaactgttc cttggacatc ttatgaatgt cagaaaaatac 240
cttttgagg gttagaagat caggggacat ggttggtcac atttgctgcc acggaacacc 300
gccagtcttc acttggaaac agaatcacgc cttgtgaaga gatcatccct aagcaggaga 360
gaagctacta aaggattgtg tctcctccca ccttcctgtg gctcggtctc cacctgtctc 420

```

963

```

ccattctgtg acgatgggtc aatggaagag actctgccag ctgcattact tgtgggctct 480
gggctgctat atgctgctgg ccactgtggc tctgaaactt tctttcaggt tgaagtgtga 540
ctctgaccac ttgggtctgg agtccaggga atctcaaagc cagtactgta ggaatatctt 600
gtataatttc ctgaaacttc cagcaaagag gtctatcaac tgttcagggg tcacccgagg 660
ggaccaagag gcagtgtctc aggctattct gaataacctg gaggtcaaga agaagcgaga 720
gcctttcaca gacacccact acctctccct caccagagac tgtgagcact tcaaggctga 780
aaggaagttc atacagttcc cactgagcaa agaagagggt gagttcccta ttgcatactc 840
tatggtgatt catgagaaga ttgaaaactt tgaaaggcta ctgcgagctg tgtatgcccc 900
tcagaacata tactgtgtcc atgtggatga gaagtcccca gaaactttca aagaggcggt 960
caaagcaatt atttcttgtt tcccaaagt ctctatagcc agtaagctgg ttcgggtggt 1020
ttatgcctcc tgggtccaggg tgcaagctga cctcaactgc atggaagact tgctccagag 1080
ctcagtgccg tggaaatact tcctgaatac atgtgggacg gactttccta taaagagcaa 1140
tgcagagatg gtccaggctc tcaagatgtt gaatgggagg aatagcatgg agtcagaggt 1200
acctcctaag cacaaagaaa cccgctggaa atatcacttt gaggtagtga gagacacatt 1260
acacctaacc aacaagaaga aggatcctcc cccttataat ttaactatgt ttacagggaa 1320
tgcgtacatt gtggcttccc gagatttctg ccaacatgtt ttgaagaacc ctaaattcca 1380
acaactgatt gaatgggtaa aagacactta tagcccagat gaacacctct gggccaccct 1440
tcagcgtgca cgggtggatgc ctggctctgt tcccaaccac cccaagtacg acatctcaga 1500
catgacttct attgccaggc tgggtcaagtg gcagggtcat gagggagaca tcgataaggg 1560
tgctccttat gctccctgct ctggaatcca ccagcgggct atctgcgttt atggggctgg 1620
ggacttgaat tggatgtctc aaaaccatca cctgttggcc aacaagtttg acccaaagg 1680
agatgataat gctcttcagt gcttagaaga atacctacgt tataaggcca tctatgggac 1740
tgaactttga gacacactat gagagcgttg ctacctgtgg ggcaagagca tgtacaaaca 1800
tgctcagaac ttgctgggac agtgtgggtg ggagaccagg gctttgcaat tcgtggcatc 1860
ctttaggata agagggtctg cattagattg tgggtaagta gatcttttgc cttgcaaatt 1920
gctgcctggg tgaatgtctg ttgttctctc acccctaacc ctagtagttc ctccactaac 1980
tttctcacta agtgagaatg agaactgctg tgataggagg agtgaaggag ggatatgtgg 2040
tagagcactt gatttcagtt gaatgcctgc tggtagcttt tccattctgt ggagctgccg 2100
ttcctaataa ttccagggtt ggtagcgtgg aggagaactt tgatggaaag agaaccttc 2160
cttctgtact gttaacttaa aaataaatag ctctgtattc aaagtaaaaa aaanaaaaaa 2220
aanaaaaaaa actcga 2236

```

&lt;210&gt; 1546

&lt;211&gt; 356

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1546

```

ggataatect ctctccctgt tccccctcatt tggctgctcc agaccctgag aaacttctac 60
ctgtcccatg ccagctgagg gtgtctgagg agctgacatc aaccccatgg atctcctgaa 120
ctgtgctgga aggtagagac aggcaggagg gcttcccatg ggtcasgaga acctgacccc 180
acaaatcaac tgatcttcaa gagacaggat ggagggaggg atcattctag agaacctgc 240
tccttgttcc tccctgtggc aaaatctggc gccaggaaga gtttgagtgt gtaggcgtgt 300
gtgtgcagggt gtaagtgtgc aggcacgtgt gtgcagggtg gtatgtacag ccgtgt 356

```

&lt;210&gt; 1547

&lt;211&gt; 1172

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

964

&lt;221&gt; misc feature

&lt;222&gt; (778)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1547

```
gggattacag gcgtgaccac cgtgcccggc ctgattctct taaaattgaa gaggtgctgc 60
caaggccttc agatctaacg cagatgcata gacctgttct ctggtacttg ttcagcctgt 120
gctgggggagc cgtgggtcccg agttccctgg gaggtgaca ggggtcaagcc accctgccca 180
ccacctccc acttcccctc ccttttctc tccagcatta ggattcaagg gaaatctgca 240
tgaagccaat tttgagggtg gacgtgtggg gaaaataaat cattatacag taagacctgg 300
ggcttgaggg gtgggggaatg gggaggggaag ggcatagcct gtcctccat gagtctgaca 360
tctcggaaac tgagcagctg ccggacgcct gggtcaggaa tccaagacc cacctcttaa 420
ggactgggtc ctcagaaagc accctcaggg aaaaagggtg aaacattaca tccgtggatt 480
ctcctgccac aaccgcattg gaagaaaagg ctgccgcaac atctcagcga ggagtgaagg 540
acccatgtcc caggaaccgc gctgcgccac ctgcactcac cccctcaca ttctcttaag 600
caccgggtgg cctccgagg cctggcggaa tgggtgtgcc cacgggggtg ggcaagggtc 660
caccaggacc tcaacgggca aagttgtgca cactaaaata tcaaatcaag gtgcttggtt 720
ttaaagtaaa tgtttttcta aagaaagctg tgttcttctg ttgaccaga cgaatagngc 780
acagccctgt aactgcacgt gccttctgtc attgggaatg aaataaatta ttacgagaaa 840
gggacttgct ctaactgggt tgaggcctta cagttttgka tctacatttt tcccctctg 900
gggtttgcgg ggacagggac agaactacag gactcatggg aaagaaaatt ctggcttcac 960
tactgctcac tgctcacttt ctgatcactc tgatactttt ttttttttt ttttgcaacc 1020
tgataccttg aaaagcttct atgtgtctct ccttttggtg cctggcagct gtctaggatg 1080
atcactgatt actatttact aagtagccac atgcaaataa aagttgtttg gtaaatgga 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1172
```

&lt;210&gt; 1548

&lt;211&gt; 1423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1548

```
tgccttttct gtgagctatt tgttttggtt tgctgaaact agtccaaaac aggaaattta 60
acagacagcc acagccaaag agtgtcatgt gaattacaag aaatagagcc catttaggga 120
aagatagaac tagaaaggct tttcattata attccatgtt gaacaattga gtcatagctt 180
cttatctygg gaggaaggac acaattcaaa ggggcagtaa ggattttgta aaacgtggca 240
tccataattt actatggagc aagtgccac atctctagga catlaagaca tttatgagaa 300
atctcaggat tcatcttctg tttttatgtt aaatgcactc cctccttttc agttaacatt 360
ataaaaagta aaaaatgaaa attttagaaa tcttgcatga gacacatgaa aaaataacta 420
aaagttaaaa tttaaatatg aaacaatttt gctgaaaata gtatccatat actatttaag 480
tcttttatgg ttatttcaag tatacaattt ctatctgtaa tgtaatatat taccacaca 540
tttttttcac aggagagaga gaatatcctc atttgtttat gctcatgtgt attttctata 600
gtgaatttca gaaactttta atatcaggta atttcaattt atgcctataa agcattgatt 660
gaaaaataac tagaattgtg catatataac acataatctc caacagaagt tactgaatac 720
attcatacta atgtaatgta atttcccttt atttcttgct cttctgtttc aaactgctgc 780
tattgtagtt tacatatccc aacctttaaa aatatcctc ttattagctt tatattcact 840
ttatagaagt tgagttttaa ttaaaattct tggcatcctg aagtatgtca catagcatgt 900
gctccttata aatatgttga tatctcagaa gacagcatcc cggttttcat tttataaagt 960
accatactta agaatgctgt aatacttata ttttataaca tgtttccttc gctttgcttg 1020
tcttttatgt catcagtttt aactgtttac ttcatttaac agtttacatc attcaacagt 1080
ttacttcatt aaacagtagg tggaaaaata gatgccagtc tatgaaaatc ttcccatcta 1140
```

## 965

```
tatcaaaaata cttttcaagg atatactttt caaaacaaac gatttaaatt ttatgkttaa 1200
aatataaaact ttagatttaa actttattta aatatctggt tcctatgatt ttgacttcag 1260
taagktcaaa taaaatatat tttgcaattc atttttacat tataatttaa aaagaagaag 1320
cgataagtgg agtcagtttc aatgctaggt ggggtggtta atgatttttc tgggtgttgct 1380
gctaattgtg attaacaat aaaaacattc attgcctttt aaa 1423
```

&lt;210&gt; 1549

&lt;211&gt; 457

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1549

```
ggttctggag ctggaccagg aggagctgca gctgggccgg ggcggagcgc cgcgccgcgc 60
cagggccgcg aggaggggcg tgttgctgct ggcccaccgc gagecgcgcc cagcccgcgc 120
cgaggcgcct tcccgccagg ccgcctgcct tccgcctctt tccatttccc cggaatctca 180
gcccggcgcg cctggacccc tgcccctctc tgggtggaga agctcccggc cgcttccggt 240
ttcactcctt ctcagcctgg gctcccagcc cctctctctc ttttcctgga ctggtctctca 300
cccccttcgg tccccttctt ttagctcagg ctccctaccc ctctctttag cccacaagcc 360
cagaagtccc aagcttctca gtcactttcc tyagccaaag gtcccagcct tccttcttcc 420
tttcctttgc actatcccta tcctgccctt tctctat 457
```

&lt;210&gt; 1550

&lt;211&gt; 977

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (219)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (230)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (236)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1550

```
acccacgcgt ccgaaacact agcagcaaaa agtaagggat accaattgtg agaaacaaat 60
cacaactgca catcaaagt ttgctgacat tggatctgtg ctgtcttcca gttgtgccat 120
cctattttac tccttaagaa atgaggaaat tcctatttgg gggcatcaac tctccctcga 180
gaaaaacaaa gctgctaagt aagattccac ctagaaaang gggaaagctn tttccnggga 240
```

966

```

acaccattta tacccccaca caaaataata gcatgagctg tgttttagag gagatagggt 300
gccaaaccaa attcactcct ctcagatgat agtaaagatc aaaagnattc gaagggagtt 360
ggtaaacgct ggtgtggtac atgtggcttt sctcactcat gtggatagca tggattttga 420
ttacaaaagg tgacctatag aaatagagag atgtgagcct gtgagggtcca agctagagga 480
agtccaaaga aaacttggat ttgctctttc tgacatctcg gtggttagca attattcctc 540
tgagtgggag ctggaccctg taaaggatgt tctaattctt tctgctctga gacgaatgct 600
atgggctgca gatgacttct tagaggattt gccttttgag caaataggga atctaaggga 660
ggaaattatc aactgtgcac aaggaaaaaa atagatatgt gaaagggtca cgtaaatttc 720
ctcacatcac agaagattaa aattcagaaa ggagaaaaca cagaccaaag agaagtatct 780
aagaccaaag ggatgtgttt tattaatgtc taggatgaag aaatgcatag aacattgtag 840
tacttgtaaa taactagaaa taacatgatt tagtcataat tgtgaaaaat aataataatt 900
tttcttggat ttatgttctg tatctgtgaa aaaataaatt tcttataaaa aaaaaaaaaa 960
aaaaaaaaa aaaaaaa 977

```

&lt;210&gt; 1551

&lt;211&gt; 2540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1551

```

tgcaactgtg caccagctt gccagatttt tccccattac acccccagtg tggcatatcc 60
ttggtcccca gaggcacacc ccttgatctg tggacctcca ggccctggaca agaggctgct 120
accagaaacc ccaggccctt gttactcaaa ttcacagcca gtgtggttgt gcctgaytcc 180
tcgccagccc ctggaaccac atccacctgg ggaggggccc tctgaatgga gttctgacac 240
cgcagagggc aggccatgcc cttatccgca ctgccaggtc tgteggccca gcctggctca 300
gaggaggaac tcgaggagct gtgtgaacag cgtgtgtgag atgttcaggc ctagctccaa 360
ccaagagtgt gctccagatg tgtttggccc ctacctggca cagagtcctg ctcctgggaa 420
aggaaaggac cacagcaaac accattcttt ttgccgtact tcctagaagc actggaagag 480
gactggtgat ggtggagggg gagaggggtg cgtttcttgc tccagctcca gaccttgtct 540
gcagaaaaca tctgcagtgc agcaaatcca tgtccagcca ggcaaccagc tgctgcctgt 600
ggcgtgtgtg ggctggatcc cttgaaggct gagtttttga gggcagaaag ctagctatgg 660
gtagccaggt gttacaaagg tgctgtcctt tctccaacct ctacttgggt tccctcacc 720
caagcctcat gttcatacca gccagtgggt tcagcagaac gcatgacacc ttatcacctc 780
cctccttggg tgagctctga acaccagctt tggccctccc acagtaaggc tgctacatca 840
ggggcaaccc tggctctatc attttccctt ttgtccaaaa ggaccagtag catagggtgag 900
ccctgagcac taaaaggagg ggtccctgaa gctttccccc tatagtgtgg agttctgtcc 960
ctgaggtggg tacagcagcc ttggttccct tgggggttga gaataagaat agtggggagg 1020
gaaaaactcc tccttgaaga tttcctgtct cagagtccca gagaggtaga aaggaggaat 1080
ttctgtctga cttcatctgg gcagaggaag gatggaatga aggtagaaaa ggcagaatta 1140
cagctgagcg gggacaacaa agagtctctt tctgggaaaa gttttgtctt agagcaagga 1200
tggaaaatgg ggacaacaaa ggaaaagcaa agtgtgaccc ttgggttttg acagcccaga 1260
ggcccagctc ccagtataa gccatacagg ccagggaccc acaggagagt ggattagagc 1320
acaagtctgg cctcactgag tggacaagag ctgatgggccc tcatcagggt gacattcacc 1380
ccagggcagc ctgaccactc ttggcccttc aggcattatc ccatttggaa tgtgaatgtg 1440
gtggcaaaagt gggcagagga cccacctggg gaaccttttt ccctcagtta gtggggagac 1500
tagcacctag gtaccacat gggtatattt atctgaacca gacagacgct tgaatcaggc 1560
actatgttaa gaaatatatt tatttgctaa tatattttat cacaaatgtg gtctggtctt 1620
gtggttttgt tctgtcgtga ctgtcactca gggtaacaac gtcactctct tctacatcaa 1680
gagaagtaaa ttatttatgt tatcagaggc taggctccga ttcatagaa gatagggtag 1740
agtagagggc ttggcaataa gaactggttt gtaagccccc aaaagtgtgg cttagtgaga 1800
tcagggaagg agaaagcatg actggattct tactgtgctt cagtcattat tattatactg 1860

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967

```

ttcacttcac acattatcat acttcagtga ctcagacctt gggcaaatac tctgtgcctc 1920
gcttttttcag tccataaaat gggcctactt aatagttggt gcaggactta catgagataa 1980
tagagtgtag aaaatatgtt ccaaagtgga aagttttatt cagtgataga aaacatccaa 2040
acctgtcaca gagcccatct gaacacagca tgggaccgcc aacaagaaga aagccccgcc 2100
ggaagcagct caatcaggag gctgggctgg aatgacagcg cagcggggcc tgaaactatt 2160
tatatcccaa agctcctctc agataaacac aaatgactgc gttctgcctg cactcgggct 2220
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ggaaaaaaaag gacacctaat ctctacaaa tggctcttag taaaggaacc gtgtctaagc 2460
gctaagaatg cgcaaagtat aaattatcag ccggaacgag caaacagacg gagttttaa 2520
agataaatac gcattttttt 2540

```

&lt;210&gt; 1552

&lt;211&gt; 608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (570)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (605)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1552

```

tcttacatta tggctcccga ggggaagcna ttactttttt aaatttttaa tttttttttt 60
aattgcactt cttgtaaaga gtgagaaaaa aaatcaaagg cgctttgaaa caggggctct 120
ctgtgcaagg atgactaagt gtacgtcttt ccgtgtgtgt atgctggtga acagtcagat 180
ttattttatat ttttttgcaa gcattgaata atctaagttt taaatattat ttatcccat 240
ccgttcgtat ttatattaaa gaattctgta ccctgatggt tcagaagggt tcttgggcct 300
tttgttcmat tgtgtattgg cgtacttaga atttttttta tttgaaagag aaatataatt 360
cctttaaacg gtaacgatgc aataaaacca gagaagatcc agcttttgaa aacagtgatt 420
taggtttgta acatccggca aaactgaaaa aaaaaatctg taaacgcgaa aaatactaga 480
tttgttttga gagttcttca ttctttgctg ctcacattct gagaaacaaa aagaaataaa 540
gtttttattc tgaataatat ccgtnttaan aaggggttct ttggccgaag acgtgggtct 600
gcgtngaa 608

```

968

<210> 1553  
<211> 784  
<212> DNA  
<213> Homo sapiens

<400> 1553  
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ggacccctcc ccagggccac acctggcaga aggtggctta tgatgttcgc agcttgaaag 180  
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tggagtggac atgcctcatt tatgtcctcc tcccttttgg aattcagcaa agctgaccag 360  
catgaacatt aacacagacc ttaagtctga ttagtggcat ttacaatcta tactctctga 420  
agcgtgtctac ctggagtctt cctttgcatg ataaaaacttt ggtctccaca accccttatt 480  
ataacctaga cactcctttc tagtgataat aactctttca accaattgcc aataaaaaaa 540  
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gtatacaatt aggcgtgtgcc cagatcacc tgggcacatg ttctcaggcc ctctgaggt 720  
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aaaa

<210> 1554  
<211> 1931  
<212> DNA  
<213> Homo sapiens

<400> 1554  
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agatgtcggc ggcgtgttgg gaggaaccgt ggggtcttcc cggcggcttt gcgaagsggg 180  
tcctggtgac cggcgggtgt ggtttcattg catcacatat gattgtctct ttagtggaa 240  
attatccaaa ctatatgatc ataaatctag acaagctgga ttactgtgca agcttgaaga 300  
atcttgaaac catttctaac aaacagaact acaaatattt acaggggtgac atatgtgatt 360  
ctcactttgt gaaactgctt tttgaaacag agaaaataga tatagtacta cattttgccc 420  
caciaaacaca tgtagatctt tcattcgtac gtgcctttga gtttacctat gttaatggtt 480  
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tcagcacaga tgaagtatat ggtggcagtc ttgataagga atttgatgaa tcttcacca 600  
aacaacctac aaatccttat gcatcatcta aagcagctgc tgaatgtttt gtacagtctt 660  
actgggaaca atataagttt ccagttgtca tcacaagaag cagtaatgtt tatggaccac 720  
atcaatatcc agaaaagggt attccaaaat ttatatcttt gctacagcac aacaggaaat 780  
gttgcatcca tgggtcaggg cttcaaacaa gaaacttctt ttatgctact gatgtttag 840  
aagcatttct cactgtcctc aaaaaaggga aaccagggtga aattttataac atcggaacca 900  
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atgtggaaaa ggcattagaa ccctttccgg tataatcacc atttatatag tcgagacagt 1200  
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tgccatcaatc tttgggagag tttcagtact ggcatagaat ttaaatgtca aaattctttc 1380  
tgaaacctt tctcctagaa actaggaaat aataggtgta gaagactctc cctaagggtgta 1440

969

```

gccaggaaga agtctcctga ttcggacaac catgaggggt agtggtgcta gggagaaggc 1500
aaccttcaact ggttttgaac tcagtgccta agaaagtctc tgaaatgttc gtttttaggc 1560
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atttataaaa ttgtcaatat cttaatgtat ttaatgtaga atattgcttt ttaaaataat 1860
gtttttatatt tgctgtagaa aaataaaaaa aaatttgatt ataaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa a 1931

```

&lt;210&gt; 1555

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1555

```

agcatttctt ctgagttgtg cttgctgaac tcaaatacta ggtgatttgg taatgcgcct 60
aaagagcatg gggctcctcc tgccaattat aagcaaagac atcacatttg gagtttggca 120
agatcagaat atctcaggtt gagcacctgc tgaatgctag gatttgtgtct atgcatttta 180
aatctatatt taatctttat tacagtctta taatagggat tatgacacca gaacagagac 240
agctgtctta agattwcaag ggggtgctagc tgaagaaaac agagaggaaa gttgggaaga 300
agctggatcc ttgataacag ctgagccatg gacttaacca gtcttagatg agcgatacct 360
caccttcaga tttcatgtca taccacctga aata 394

```

&lt;210&gt; 1556

&lt;211&gt; 346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1556

```

tgggacatgt cgggtgaacc gaatgcctag taaggcagct ctgatggagg aagccaagct 60
gatggcatct ctctggcact tggcagcgat ggccttcatt acttacgtgc tcttggtggt 120
gatggcactg ggcattcaga aaaggtcagt gccaagcccc tcccttaacc tccccctcct 180
gtgagctctt ctcccaacct ccctagggca tatgtggtgg tccccagetc accctctggt 240
gccccagtct ctcttctca cccctgctc aggatgcctg gctctgagcc acccctgctt 300
tggcgcaggt tntncccgga ggtgctgggc ctgtgtgcaa gcacag 346

```

&lt;210&gt; 1557

&lt;211&gt; 1577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

970

&lt;400&gt; 1557

```

cctccaagat ggccaccttt tttgcamagg cktwcccat cmaggggggtc acagcccatt 60
caggtttgas cytgcwtggc ccmagctccy tcagtccttg cctggcaagt cctccatkgg 120
cacaacmasm ttgcctggtt ggaattttca gcttttctcg agcagcagcg agaccagac 180
tcgtacaaca aacacctctt cgtgcacatt gggcatgcc aaccattctta cagtgaacca 240
ttgcttgaat cagtggacat tcgtcagatt tatgacaaat ttcttgaaaa gaaagggtggc 300
ttaaaggaac tgtttggaac gggccctcaa aatgccytct tcctcgtaaa attctgggct 360
gattttaaact gcaatattca agatgatgct ggggcttttt atggtgtaac cagtcagtac 420
gagagttctg aaaatatgac agtcacctgt tccaccaaag tttgctcctt tgggaagcaa 480
gtagtagwaa aagtagagac ggagtatgca aggtttgaga atgscgatt tgtataccga 540
ataraccgct cccaatgtg tgaatatatg atcaacttca tccacaagct caaacactta 600
ccagagaaat atatgatgaa cagtgttttg gaaamcttca caatyttatt gstggttaaca 660
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gatacaagta aaattaatct ttaaataata atgtaaatta gtacacaaaa ctaagaatct 1260
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agaaatgctt ggtagaagtg tcctaattgag acaaatttgt acttttatcc tcaagggtta 1440
cactaatctc ctaatccatt aaactcttga acaggtatta caaaggaaga aaacttcacc 1500
ccttatcctt aacatatata gtatatttta aaaatataaa attgtattgt actaatgtga 1560
tgatggatta tttaatg 1577

```

&lt;210&gt; 1558

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1558

```

gggcagacct gcgagagcag agggggcttc ggcaggcaac cgaccaccag gagctggtgg 60
aaatccccac caggccgctg ctgaccaagc tgagcctgat cacagcccca cggcggggag 120
agagggcgcc cgtccctcta cgtgcagggg gacatagtag aggagacaca gcgtgaggta 180
agaccaccgg cggggagggc ctgcacgtgg gccgggtgtc cacaccgat tgggtcttctg 240
gagggttccc cagcccgga tttcgaggga gcccttca 278

```

&lt;210&gt; 1559

&lt;211&gt; 751

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

971

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1559

```
ntttgttcct gtcacctggg ttcattcttgt tgtgaagcac attaggtcca ggtccttccc 60
tctgggagtc tgactgtgaa actctttaac ccaacaactc aattagcccc ttagataag 120
acatgcttcc cagagtgaga tttttgaaat ccccttttca tccagaacta tatttaccce 180
cctattgtaa ctattcarat agagcaaaat taggaggctt gataaatact aagaatttag 240
taccacagaa attatttatt attttccctg tagtccacaa ttagtgataa cgaatcctat 300
ttttgttaac tgtgacataa ctttgatgtc atatgttggt ctatgtgggt cttcctaagt 360
aaactctgta ctgattatat actgacttag caatgtggcc ttggaatgct gagcaaaatg 420
tggatgtact gggtgttaaa gtttatatat tgtacagtac ctttatatat acacttgagg 480
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ggagctaggt cccatcatag tctgagtcct caaatagatt ttgtccctcc aagtaacaaa 660
ctttcaaagt cctaaaatca ggaagagtct tataataatg attttacctc tataggtata 720
cttttattta tttataaata gagtttgaaa t 751
```

&lt;210&gt; 1560

&lt;211&gt; 1938

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1560

```
agcaacctat agatcatgan aggcaacggt nanctgacag taccgggtcgg aattccccggg 60
tcgacccacg cgctccrgcg taaccgccac agctgccagc gacaggatgg agagcgactc 120
agactcagac aagagtagcg acaacagtgg cctgaagagg aagacgcctg cgctaaagat 180
gtcgggtctcg aaacgagccc gaaaggcctc cagcgacctg gatcaggcca gcgtgtcccc 240
atccgaagag gagaactcgg aaagctcatc tgagtcggag aagaccagcg accaggactt 300
cacacctgag aagaaaagcag cggtcggggc gccacggagg ggccctctgg ggggacggaa 360
aaaaaagaag gcgcccgtcag cctccgactc cgactccaag gccgattcgg acggggccaa 420
gcctgagccg gtggccatgg cgcgggtcggc gtctctctcc tctcttctcc cctctctctc 480
cgactccgat gtgtctgtga agaagcctcc gaggggagcg aagccagcgg agaagcctct 540
```

972

```

cccgaagccg cgagggcgga aaccgaagcc tgaacggcct ccgtccagct ccagcagtga 600
cagtgcagac gacgaggtgg accgcatcag tgagtgggaag cggcgggacg aggcgcggag 660
gcgcgagctg gaggcccggc ggcggcgaga gcaggaggag gagctgcggc gcctgcggga 720
gcaggagaag gaggagaagg agcggaggcg cgagcgggccc gaccgcgggg aggctgagcg 780
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cgaggccaca tcacagaagg gggagagcgc agaggacaag gagcacgagg agggtcggga 1560
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aaccaacatg aaatgactat aaayggtttt ttaatgaaaa aaaaaaaaaa aaagggcggc 1920
cgctctagag gatccctc                                     1938

```

&lt;210&gt; 1561

&lt;211&gt; 889

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (886)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1561

```

cagcaccccc agcctgctga cagcagacag actgggtcct caaaggctct ggcccagacc 60
ctcccaccac ccacggytgc tggtgaaagc aattctgtga cctgcaactg tggccaggag 120
gctgtgctgc tcaactgtccg taaggagggc cccaaccggg gccggcagtt ctttaagtgc 180
aacggaggta gctgcaactt ctctctgtgg gcagacagcc ccaatccggg agcaggaggg 240
cctcctgcyt tggcatatag acccctgggc gcctccctgg gatgccacc agggccaggg 300
atccacctag gtgggttttg caaccctggt gatggcagtg gtagtggcac atcctgcctt 360
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ttccacacat gtgccaaagg gagagagcag cagtgtggct ttttccagtg ggtcgatgag 480
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```

973

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<211> 1385  
<212> DNA  
<213> Homo sapiens

<400> 1562  
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cgcaagatcg aggctcgctc ggcagaggac tccttcacag gcttcgtccg gaccctgtac 180  
tttgctgaca cctacctgaa ggacagctcc cggcactgcc cctcgctgtg ggctggcacc 240  
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gagcctgtgc gggcagagca ggccaaggag atccagctga tgcaccgggc gccggtggtg 360  
ggcatcctgg tgctcgacgg acacagcgta ccccttccyg agccccctga agtggcccat 420  
gatctgtcga agagccctga catgcaggga agccaccagc tgctcgctcg atcagaggag 480  
cagttcaagg tgttcacgct gcccaagggt agtsccaagc tgaagttgaa gctgacggcc 540  
ctggaggggc caagagtgcg gcgggtcagc gtggcccaact tcggcagtcg tcgagccgag 600  
gactacgggg agcaccacct ggcagtcctt accaacctgg gcgacatcca ggtggtctcg 660  
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tcgcctcctg cgtcttcacc aaatatggcc aaggcttcta cctgatctca cctcggagt 780  
ttgagcgctt ctctctctcc accaagtggc tgggtggagc ccggtgtctg gtggattcag 840  
cagaaaccaa gaaccaccgc cctggtaacg gtgcggggccc caagaaggcc ccgagccgag 900  
ccaggaactc agggactcag agtgatggcg aggagaagca gcccggcctg gtgatggagc 960  
gcgctctgct cagtgatgag agagcggcaa ctggcggttca catcgagcsg ccgtgggggtg 1020  
cagcctcagc aatggcggag agtgagtggc tgagcgtcca ggctgcgcga tgagcacaca 1080  
ctactactga tggcctttcg ggggtccctg ccccarccgg agaggccggg gcacagggcc 1140  
ccgccagggg ctggggggcat cccggcttcc acaatgcagc tgctctgggc ctccgggagag 1200  
gagagacccc agtccccctg gctgcscctc ccgggcctcg tctgtctggg tccttttggtc 1260  
aatgttgca c agtttttatt gctcccatcc cttttttag tagggctgggt ttttaagttat 1320  
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tcaaa 1385

<210> 1563  
<211> 862  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (784)  
<223> n equals a,t,g, or c

974

&lt;400&gt; 1563

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cagacctggg atcncacaca cacacacttt cacacacaca cttcacacat cacacnactc 60
ccaccaccgt catgatggag gaattacgta tacattcata ttttgtattg attttkgatt 120
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gggtgggttt ggagtcttgg gctttaatca ttcattacaa agttcagcat tttacctgat 780
cgtntcagtg gtcattgatg atcattgctg agatccacac tatattaggg ggggcagaac 840
aggtgttttt ctaattctgc ta                                     862

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&lt;210&gt; 1564

&lt;211&gt; 3107

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1564

```

ggaatgtttc aaaaggatat gatgaactga ggcttatcga gtcagggagc agaaagctga 60
aataagaccg ctaagctcta aacaaatccg ttaaagcttc acagggcaga gcagaacaaa 120
aatagtatac tcaatgtata gtcggaaagc agccgaagaa gtgaagcgag aactgataaa 180
gttaaaagtg aactattaca ttctagaaga gtcattggtgt gtaagaagat ccaagcctgg 240
ttgcagtatg cctgaaattht gggatgtaga agatcctgcc aatgctggga aaactccctt 300
atgtaacctc ttggtgaagg attccaaacc tcacttcacc actgtattcc agaacagtgt 360
ttacaaagtc ctagaagttg taaaagaatg actgctacat gacctgctgc ctacggagaa 420
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tttgctatgc aaatgagtat atgcttgtac ttgactttaa tatttgtgct aaagtgagca 660
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cttaagcctt atgttataat tttggttcta aaaaccatca tttcagtata aggaataagt 1560
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```



975

```

acaccttctt tgaattcctt gtatgaattt ttgtttctta gaagttaatt tgtgtgaaat 1680
gagattcttc aaaacgatga aacctcatag ctctgagaaa aggttttagg gttttaaatt 1740
ctaagcaaaag cgtgactatg gctgacagac tacacattta attatacagc ttctctttct 1800
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gtttctggtg cccactcctg gaagccgctg ttccctttct accttcttac cagagcccaa 1920
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ctgatttgtt acatccagca gttacaattt ttaaaaatta tacttttaca tttattttat 2400
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ttaaaaaaaaa tcatgagtaa tgaaaaaaaa aaaaaaaaaa aaaaatt 3107

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&lt;210&gt; 1565

&lt;211&gt; 300

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1565

```

ctcgtgccga attcggcacg agstctctgc agggcccatc gagggagaa gctgccaaagt 60
ggagccaggt ccggaagat ctgtgctctt traaggcttc tctgcagctg cggggggagg 120
atggcagtg ctggaactac aaacccccag ccgacagtgg cggnaagag atcttctccc 180
tgctgccccca catggctgac atgtcaacct acatgttcaa aggcattcat agctttgcca 240

```

976

aagtcacatctc ctacttcagg gacttgccca tcgaggacca gatctcctgc tgaaggnggc 300

<210> 1566

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<400> 1566

```

ggtgacagct sccagcggca tcctcgatgt caccgtgggc tacctgaacc cagaacagca 60
ttgtgccag gaatccagtg atgaggaggc ttgtccagag gacaaggagc cccaggaccc 120
acaggcactg gcgctggaca cccagatccc tgcaaccctt ggacccaaac ccctggtcgc 180
caccagccgg gagccaggga aggacgtcac gacctcaggg tactcctccg tcagcacccg 240
aagtcaccaca agctccgtgg acggtggcctt gggggccctg cccaaccta cctcagtgtt 300
gtccctggac agtgactcgc acacacagcc ctgccaccat caggccagga agtcattgtt 360
acagtgtcgt cccccaagtc ccccgagag cagtgttccc cagcaacagg tgaagcggat 420
aaacctatgc atacacagtg aggaggagga catgaacctg ggccttgtga ggctgtaagt 480
gtgtcagcac atttgccgca ntggatktgt actgangggg gtggagcgaa ggtggaa 537

```

<210> 1567

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<400> 1567

```

gtggttgccct taatgatgaa cacttggaag aactgggagg aatactgaaa gcaaaaacttg 60
aagggcactt taataaccaa gaattgagac aggtgaaaag acaggaagaa aactatgatc 120
aacagggttg gatgtctctg cangatgagg atgaatgtga tgtttatatt ctgaccaaag 180
tatcagatat tntgcactca ttattttaagt acttatgaag garaagattt taccatgggt 240
tgaacaacta cttccattaa ttgtaaatct aatttgtttc aagtaggcca tggccagaca 300
gacatggggg ttgtggcata tttggatgga cat 333

```

977

<210> 1568  
 <211> 649  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (432)  
 <223> n equals a,t,g, or c

<400> 1568  
 acgagggcag caccagctgg aaggcggcct tggaggcttc caagggctgc atcaagtgcg 60  
 aaggccctgc ccggaggact ggctgctcta cggaaggaag tgctacttct tttccgagga 120  
 acccagagac tggaacacag gcaggcagta ctgccacacc cacgaggcgg tgctggctgt 180  
 gattcagagc cagaaggagc tggaatttat gttcaagttc acgcggaggg agccctggat 240  
 tggactacgc agagttgggg acgaattcca ctgggtcaac ggggaccctg ttgatccgga 300  
 cacgttcacc atcgcagggtc caggggagtg tgtcttcgtg gagcccacca ggctggtgtc 360  
 gacggagtgt ctgatgaccc ggccctgggt gtgcagcaag atggcctata cttgargtgg 420  
 gtkgggccag angtkgccc cccctargcc tgtgggargt gtctggtgtc tgctcaagac 480  
 ctgcttccag cggacgcgcc tgccctctgc aaggcgaacg ggtgggtgcg tggcctccgc 540  
 cccaggcccc tctcccaggc cctggcgctc tgagtccttg gttcctggcc tcctttgtct 600  
 gcaggcaggt cgtgtggctc agcagttaaa tcccatatgc taggtagtg 649

<210> 1569  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (363)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (390)  
 <223> n equals a,t,g, or c

<400> 1569  
 cggagccagg cccggagctg agggggccag ggcctttgga ggaagcattg gcctccaggc 60  
 tgaagagcaa gggccgtgtc acctgcccgg agggcgggtct catctctgca gccagggtcag 120  
 aggaagcagc ggtggggaga cggagtgcgc gagttgggag gctccacgca tcgtaggtgg 180  
 agagctggct gccagcctgg cctgcccctct ctctcccgtc ccaccatctc gcttggtctc 240  
 ggcacctgcc tgggaagacc cacacctcgc tctgcagtgc ctcttcccc tggaggccct 300  
 gccctccgct cgggggtccc gcatecttcc gtggccctca gagcategcc tggggcgccc 360  
 gcngaactca tctgttaagc ctgggatcan gca 393

<210> 1570  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

978

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (556)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1570

```

gaattcggcc gaggagagat ctctagggga cctgatgtgc acttgacaca tggccttgag 60
cccaaagatg ttaacaggga atttaggcta acagagagca gcacttgatg gccttctact 120
gtggctgctg tcctatctcg agctcaaggc tgcagatccc cttctgctcc tgacgtgagg 180
acaggttcct tcagccactc agctactgat ggaagcgtgg ggtaaatagg ggttcctgag 240
aaaaagggtg ctgagaagca agcaagcaca gaacttgagg ctgcctcttt ccctgcargc 300
atgtactctg agcccctgag gcagtttagg gacagctctg taggtgacca gaatgcacag 360
gtgtgtcaaa ccaattccag aaccamctgc aacaactcag gggaccacac accctggatt 420
taagtgaarg gtctgctgag agcaagttgg tggtagagcc acagcatgaa tgtttagaaa 480
ataccactag atgttttttg gaaaagccac aattttccac tgagttgagg gatcacaatc 540
gcttggtatc ccaagncaag tttgta 566

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&lt;210&gt; 1571

&lt;211&gt; 1657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1571

```

gctacctagt gtctccttct gacctcatta tctgtctgaa taaacttcag atgggtactg 60
gatgtatatt gactactgtc aaataaaatg aactttgttt tagttaaggt cagatatgat 120
gtggttggtg tgttttggaa catgtttttt cagggtgcat ctggagggtg tggggttgga 180
gatggtgttc aagaaccaac cacaggcaac tggagaggaa tgctgaaaac ttcaaaagct 240
gaagagttat tagcagaaga aaaatcaaaa cccattccaa ttatgccagc cagtccacaa 300
aaaggtcatg ccgtgaacct gctagatgtg ccagttcctg ttgcacgaaa actatctgct 360
cggaacagc gagattgtga ggttattgaa cgactcatta aatcatattt tctcattgtc 420
agaaagaata ttcaagacag tgtgccaag gcagtaatgc attttttggg taatcatgtg 480
aaagacactc ttcagagtga gctagtaggc cagctgtata aatcatcctt attggatgat 540
cttctgacag aatctgagga catggcacag cgcaggaaag aagcagctga tatgctaaag 600
gcattacaag gagccagtca aattattgct gaaatccggg agactcatct ttggtgaaga 660
gaactatgta atactgagac tttgttgact caaaacttgc tagttactgc ctacctgagt 720
agaatcttat ttatgaactc ctgtgtattg caatggtatg aatctgctca tgtggagact 780
ggctataaac tgaaaagtgt attccaaatt gcagaacaca tcacacattt aatccaaata 840
ataaatggct gtttctaaag tttcccagta tatataaaat acatcaagtc tgtcttgtga 900
cagtttcctc tgaacttaac ttaaaaaaca ctgttaatgt tctagttgtg caaagcagtt 960
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tctctaaagt ggagcactta caccaggctc taagattcac tttgaggtgg aacttaaaac 1560
cagtgtactg tatgtatgca ttggtaatat ctacttttgc ttcatagctt cataccaaca 1620

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979

aaatatatattt attagaatag tatgaaagta ctggagg

1657

&lt;210&gt; 1572

&lt;211&gt; 1186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1572

```

ggcacgagaa ataatcacct ggagtttggt aaaccatatg gattctcagg ctccctctctt 60
gaagattctg attcagtagg tctgggagtg gcgccctgga ttttgatcaa aattgtagag 120
catttttaagg tgagtacctg agggagaact taaagacatc ttagttgggg agtagtctt 180
ttgaatttta cagctagata taatcttcag tcagataaaa tttatgggag ctggtgtctt 240
atgcctgact cttagtaatt tcataccggt ttgaagtacg tgtgccccatg cctaaagcct 300
tgactttcag aatgttgtct tttgattctt ctgtcttgat ttgattagggt gtgaaattta 360
gaagtcttag taatgtaact tgaagatgtt aaacaaaaat ctcaagtaaa atgaaaagca 420
aatatgggct actgaattaa gaaactggca ttctagtatt aaatcctcac ttcaggagct 480
tttaaaaaata ctgagacccc ccataacca gagattcaga ttcaaagact gaggatagga 540
ccttagcatt gtagctatct aaagtttcta atgtgcaccc agggttggga atcaccaatg 600
tgggtgtgaa aatgcctaca aagggtttta gtgccttaga agtcctaaga agcccaatct 660
gtatcaaagc agatccattt tgcaaggatc tttcttttag aactttctca gttctcttag 720
taagaacttt agaagtaatc ttgataataa gcacagacag cctaacagca gaggcaactt 780
aaataactcc tgagcagttg gcactagaac agaatacttg gaatgacacc aaagttaacc 840
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attggttgct gaaatcttaa gacagtggtc tcaaccttgg ctgcacattg gaatcacctg 960
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agattaagag ttcaaaagta aatgcaacca wtttaacatg tagtgttatt aaaaaattac 1140
aaaggcctag accagcctgg gcaacagaga ccatgcttaa aaaaaa 1186

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&lt;210&gt; 1573

&lt;211&gt; 725

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1573

```

gtgctntttt ttnaatgctg gggttaaaca aagtgtctct cttggactta aagacctttt 60
gtctcaatac ccatttataa ttgatgcaca cttttcaaac atattaagtg aagtgactgc 120
tgtgtttaca gataaagatg ctaatgtacg attagcagca gttcaacttc ttcaattcct 180
ggcccccaaa atacgagctg aacaaatttc tccatttttt cctttggtta gtgccccatc 240
ctctagtgcc atgactcaca ttactgaagg aattcaggag gactctttta aagttttgga 300
cattctgctg gaacagtacc cagctctaata tactggccgt agcagcatat tgcttaagaa 360

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980

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ttttgtagaa cttattttctc atcagcagct gtccaaagga ctgataaata gagacagatc 420
ccagtcctgg atacttttctg taaatcctaa tcggagactc acttctcagc aatggaggct 480
gaaagtctta gtgagactca gtaaattcct tcaggccttg gcagatggat ccagtaggtt 540
gagagaaagt gaaggacttc aggaacagaa agaaaatccc catgccacta gcaactycat 600
ttttatcaac tggaaggaac atgccaacga ccagcaacac atycagggtt atgaaaatgg 660
ggggtcacar gcaaaggyag gtccargtya agstacggat ctgggttgag gactgatggg 720
gggat                                             725

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&lt;210&gt; 1574

&lt;211&gt; 1135

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1574

```

caaaagcata gagaaattat aaaattcaag aacagatggt agaatggaaa ctgatctaga 60
ggttataata aaggataata gtcttggtgt gacaccatca cacatcaaag cctacatggt 120
gatgactctt caaggattag aatatttaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaatctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccgag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggctgtata ttagcagagt tacttctaag gggtcctttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcata 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatcggcc 660
agggccaaca cctggatgtc agctgccaa gacaaactgt ccagtggaaa ccttaaagga 720
gcaatcaaat ccagcttttg caataaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgcccagg aaactaattt tttaaaagaga aactggaca acattttact actgaggga 840
atagccaaaa aggcaaatata tggaataata gtaaacatta agtaaagtgt gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaatgt 960
atttttaaatt aaaaatttaa ttctggtttt tctgattaga gtgcaaaagt gagaaaagtt 1020
caatactctt gaaatgtaga attgaaaatg cattagggaa aacttaataa aaattattac 1080
cagttatttg gaagatctga cccatatagt atcacaaatc tgtagtagca tgggt 1135

```

&lt;210&gt; 1575

&lt;211&gt; 859

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (845)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1575

```

taagatagca aaccagttcg ttttaagtaa gctaacttgt tcattagtat ctgtgggctta 60
aaatggcaaa aaagaaaata tccttgagtt tgtaatctag ttacagaagt aaggcataca 120
cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgcgt gtctctgtgt 180
gtgcacgtgc acgctcatgg ccaaatgtgc gcactctaca taaaggaggc aggagtccct 240
ataggctatt taatgtaaga gaaactattt ttctcctgtt ccagctgtat cagatactcg 300
ttccgcaaca cagaaatgac tcagaatctc agacaaaatg tattatttgt tcaattttaa 360

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981

```

ttttgctact acattcataa ctcttaaatt gttaggctgt ttcatttaca tcaaagttat 420
ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacactgtgt 480
tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgtga gttagttact 540
tatattttta ttagaactca ttattctggg taccctccaa tgagaattag agaggttaaa 600
taccttttcc tagattccca cagcaggaag gtgggcatag ctgttttgtc tgacaccaga 660
acccatctca ccacactgct ttacagtctt cctgaaggac attttgaggt ggggggggct 720
tcaaagctca gagactgggt ttgaatgggt ttaattttgc aakggatcat gtccatgcc 780
gggtgttaca ttcttaactt cctccaaatt cgkgtgtcca ttagacattt ggggtacatcc 840
gggcngggga gggtcaggg 859

```

&lt;210&gt; 1576

&lt;211&gt; 732

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1576

```

cgggtcgacc cagcggtccg agaaaaagag ggaggagaga aggaaggtcc tggaggaggc 60
tgaagcagag gaggaagagg aagagtgagg gatggagaaa gggcagagga agagacatga 120
gaaagggaga ggaagagaag ccagctctg ggaactgaat caggaaactc aaatcgaata 180
gggaagttaa aaaacaaaac aaaaaacaaa aaaaacaaa aaaaaaccct atttaaata 240
aaggagttaa aaaacatttt ttaaggaggg agaaaggaga aatttttggt tttcaacact 300
gaaaaaatac tacctatagg aaagtctgtc aggttttggt tttttgtaca atatgaaaag 360
gatattatct acctgttctg tagctttctg gaatttacct ccccttttct atgttgctat 420
tgtaagggtc ttgtaaaatc ttgcagtttt gtaagccctc tttaatgctg tctttgtgga 480
ctgtgggtct ggactaacc cgtgtgtggt tgcctcctc agcctccgcc tccccagcag 540
cggcaccaag gggccttagg gagccccaac acctaccact cgcgtgttcc ccaagcgct 600
ggctgtctgt tcttgcttcc cgtcccccag ccccatgctc ccttttacat tctgtgtgta 660
tctaaaggat ggaaaaataa aacgcaatta aaaataaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aa 732

```

&lt;210&gt; 1577

&lt;211&gt; 1636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1588)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1577

```

tcttgtcttg gccggtggtg gccaaccaag tgttgaaact tgggaacctt gagttcaagc 60
ccgaatctcg agtgaatggt ctagatgaaa gcaaaatcaa agataaaaat gagttaaaag 120
aaatttgtga attgaccggc attgatcaat cagttctaga acgagcattc agtttccgaa 180
cagttgaggc caaacaggag aaagtttcaa ctacactgaa tgtgggtcag gcttattatg 240
cccgtgatgc tctggctaaa aacctctaca gcaggttggt ttcattggtg gtaaatcgaa 300
tcaatgaaag cattaaggca caaacaaaag tgagaaagaa ggtcatgggt gttctggaca 360
tttatggctt tgagattttc gaggacaaca gctttgagca gttcattatt aattattgta 420
acgaaaagct gcaacaaatc ttcattgaac ttactcttaa agaagagcag gaggagtata 480
tacgggagga tatagaatgg actcacattg actacttcaa taatgctatc atttgtgacc 540
taatagaaaa taacacaaat ggaatcctgg ccatgctgga tgaagagtgc ctcagacctg 600

```

982

```

gcacagtcac tgatgagacc ttcttagaaa agctgaacca agtatgtgcc acccaccagc 660
atthttgaaag caggatgagc aagtgtctctc ggttcctcaa tgacacgtct ctgcctcaca 720
gctgcttcag gatccagcat tatgtctgga aggtgtctgta ccagggtgga ggattcgttg 780
acaaaaacaa tgaccttmtc tatcgagacc tgtcccaagc catgtggaag gccagccatg 840
ccctcatcaa gtctttgttc cccgaaggga atcccgccaa gatcaacctg aaaaggcctc 900
ctacagcagg ctacacagtc aaggcatccg tggccactct gatgaaaaac ctacagacca 960
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ggaggggcagg ctacgccttc aggcaggcct atgaaccttg cctagaaaaga taaaaaatgc 1140
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catattggca tgggacccar gywswanga agaatcagga aattcttcag agccaatgct 1620
ggaaaagaaa atctat 1636

```

&lt;210&gt; 1578

&lt;211&gt; 659

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1578

```

gaattcggca cgagaaaaat gaccctatga ttgtgtcttt taaaaaggcc aagcccaatc 60
ctcttcaacc ccggctcacc ctctggtggg cccacgttgg gcacaacttc cccaactgat 120
gggccccttg cttcagctat cctccttgcc gcaatttcct gggcaaagat gcttctctta 180
ccagatgttg ctgatttccc ctgtggggca aaaagaaaac ccaggttact gatgtctatc 240
atcccacttt cctctcaacc tctttatata aaggcctctg gaacaaagag ataaaagggg 300
atthtgcata tttccaggga tcacaacctt agttctcaga aaaaggagag gtctataaga 360
gtaaaggctt tagactctga cagacttggg ttgaagttct ggctcttcta cctattagat 420
gtgtgtgtgt ggacaagtta tttatctctt tgggggtctca gtttcctcat atgaaaaatg 480
ggaataagga ctctcatcc ccaaggatc atcatgatac ctgccttata tgtttgttat 540
gaagattaaa agaagtaatg ggtatgaagt gcttagtatg atcctgcttt gttaaattaaa 600
ttgcttatca tcattaaaac tacctgcctg gagaaaaaaa aaaaaaaaaa aaactcgag 659

```

&lt;210&gt; 1579

&lt;211&gt; 1866

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1579

```

gcggacgcgt gggaaacaag ctgctaaca tagtttgctt ttacatcttc ttaaaagcca 60
gactatacct aagccaatga atggacacag tcacagttag agaggaagca tttttgagga 120
aagtagtaca cctamaacta ttgakraata ttcagawaac aaycctagtt ttacagatga 180
cagcagtggg gatgaaagt cttattccaa ctgtgttccc atagacttgt cttgcaaaaca 240
csgaactgaa aaatcagaat ctgaccaacc tgtttccctg gataacttca ctcaatcctt 300
gctaaacact tgggatccaa aagtcccaga ttagatatc aaagaagatc aagataccyc 360
aaagaattct aagctaaact cacaccagaa agtaaacact cttcaattgc wacttggcca 420
taagaatgaa gaaaatgtag aaaaaaacac cagcccycag ggrgtacaca atgatgtgag 480

```



983

```

caagttcaat acmcaaaatt wtgcaaggac ttctgtgata gaaagcccca gtacaaatcg 540
gactactcca gtgagcactc cacctttact tacatcaagc aaagcagggt ctcccatcaa 600
tctctctcaa cactctctgg tcatcaaata gaattcccca ccatatgtct gcagtactca 660
gtctgaaaag ctaacaaata ctgcatctaa ccaactcaatg gaccttataa aaagcaaaga 720
cccaccagga gagaaaccag cccaaaatga aggtgcacag aactctgcaa cgtttagtgc 780
cagtaagctg ttacaaaatt tagcacaatg kggaatgcag tcatccatgt cagtggaga 840
gcagagaccc agcaaacagc tgttaactgg aaacacagat aaaccgatag gtatgattga 900
tagattaaat agccctttgc tctcaaataa aacaaatgca gttgaagaaa ataaagcatt 960
tagtagtcaa ccaacagggt ctgaaccagg gctttctggt tctgaaatag aaaatctgct 1020
tgaaagacgt actgtcctcc agttgtcctt ggggaacccc acaaaggga agagtgaana 1080
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ataatgtgac caacagcaaa cctgrattta gctttcttct ttaaattggac tgatgtacag 1860
ttccct

```

&lt;210&gt; 1580

&lt;211&gt; 1496

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

984

<221> misc feature  
 <222> (28)  
 <223> n equals a,t,g, or c

&lt;400&gt; 1580

```

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gctgcaaaca atcacagtgc cccagaagta ctgtatgggt ccttgcttaa ccaggaagag 180
ctgaaattta gcagaaatga tcttgaattt aaatatcctg ctggtcattg ctcagccagc 240
gaaagtgaac acaggagtgt ggccagagag agcaaaagct ttaatgttct gaaacagctg 300
cttctctcag aaaactgtgt gcgagatttg tccccgcaca gaagtaactc tgtggctgac 360
agtaaaaaaga aaggacacaa aaataatgtg accaacagca aacctgaatt tagcatttct 420
tctttaaatg gactgatgta cagttccact cagcccagca gttgcatgga taacaggaca 480
ttttcatacc caggtgtagt aaaaactcct gtgagtccta ctttccctga gcacttgggc 540
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ggacccatta agtgggttat cactgatgcg gagaagaatg agtatgaaaa agactctcca 660
agattgacca aaaccaaccc aatactatat tacatgcttc aaaaaggagg caattctgtt 720
accagtcgag aacacacaaga caaggacatt tggaggagg cttcatctgc tgaaagtgtc 780
tcacaggtca cagccaaaga agagttactt cctactgcag aaacgaaagc ttctttcttt 840
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caaaaataaa ttagaaaaat atatgcttac atttttcact tttgctaaaa aaaaaa 1496

```

&lt;210&gt; 1581

&lt;211&gt; 3898

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1581

```

cacacttgaa gctgaaaaag aaagaagaaa atctgggcta tcctcaagag ttcagtttcg 60
aaaccaaggt tctgagccca aatatactca agaactaact ctgaagaggc agaaacagaa 120
agtgtgcatg gaggaacccc tgtggctaca ggataatatc agagataaac tgcgtcccat 180
tcccataact gcctcagtg agatccaaga gccaaagctc cgtaggcgag tgaattcact 240
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taaattttgc acccgagaag gaaatcmaga caaatttwct tatttacc aa ttcaaaaagg 420
tgtaccagaa ctagttctaa aagatcagaa ggatattgct ttagaaataa cagtgaacaa 480
cagcccttcc aaccaagga atcccacaaa agatggcgat gaygcccag aggctaaact 540
gattgcaacg tttccagaca ctttaacctt ttctgcatat agagaactga gggctttccc 600
tgagaaacag ttgagttgtg ttgccaaaca gaatggctcg caagctgact gtgagctcgg 660
aaatcctttt aaaagaaatt caaatgtcac tttttatttg gttttaagta caactgaagt 720
cacctttgac accccagatc tggatattaa tctgaagtta gaaacaacaa gcaatcaaga 780
taatttggct ccaattacag ctaaagcaaa agtggttatt gaactgcttt tatcggtctc 840

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985

```

gggagttgct aaaccttccc aggtgtatatt tggaggtaca gttgttggcg agcaagctat 900
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taaacctctt acaaacctcg gcacagcaac cttgaacatt cagtggccaa aagaaattag 1020
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986

<210> 1582  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (434)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (445)  
 <223> n equals a,t,g, or c

<400> 1582  
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 gcccagtaca aacctcccag ggtgcctctg accccttgcc tgaccccctg gggctgatgg 120  
 atctcagcac cactcccttg caaagtgtc ccccccttga atcaccgcaa aggctcctca 180  
 gttcagaacc cttagacctc atctccgtcc cctttggcaa ctcttctccc tcagatatag 240  
 acgtccccaa gccaggtccc ccggagccac aggtttcttg cttgcagcc aatcgttctc 300  
 tgacagaagg cctggtcctg ggacacaatg awtgacagcy tcagcaagat cctgctggac 360  
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<210> 1583  
 <211> 1274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1234)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1273)  
 <223> n equals a,t,g, or c

987

&lt;400&gt; 1583

```

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cgacgcgcag ctgcaggctg agaagcagaa ggccaggga gaagaggagc aaaaagaagg 180
tggagatggg gctgcagggtg accccaaaaa ggagaagaaa tctctagact cagatgagag 240
tgaggatgaa gaagatgact accagcaaaa gcgcaaaggc gttgaagggc tcatcgacat 300
cgagaacccc aaccgggttg cacagacaac caaaaaggtc acacaactgg atctggacgg 360
gccaaaggag ctttcgagga gagaacgaga agagattgag aagcagaagg caaaagagcg 420
ttacatgaaa atgcacttgg ccgggaagac agagcaagcc aaggctgacc tggcccggct 480
ggccatcatc cggaacagc gggaggaggc tgcccggag aaggaagagg aaaggaaagc 540
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gcgacccgtg ggaggagatg ccggggacct gggccgcgct gccaggacct ctgctgtgtc 660
tcgcccaccc tgtgcccttg cgccgctgca acagcccctc atggccagga gccccccatg 720
gcctggggcc tcctcttcat cttggcacag aaattgtttg ggggatgggg ggggggactg 780
ggggaggggg agctgctatc tttgagacag aaagrkgayag aagagctttc atttgtctgg 840
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tcgtaaaaaa aaaaaaaaaa aaaaaaaaaa aanaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aggggggngg ggnt 1274

```

&lt;210&gt; 1584

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1584

```

gtcttatttt tagaataatt tagacaagca ggtagaaaaa acaatgcact gtgtggcata 60
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ttttaagaa ataaaaatcc tggaaagara aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaa aaaaaaaaaa

```

&lt;210&gt; 1585

&lt;211&gt; 728

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (663)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1585

988

```

aagctaccaa gatcaacctc tccctttccg ctttgggtaa tgtcatctct gctctagtgg 60
acggcaaaaag cactcacatt ccatatcggg actcaaagct taccaggctc ctccaagatt 120
cccttggtgg caatgccaaag actgtgatgg tggccaacgt ggggcctgcc tcttacaacg 180
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agaagcgggc cattgtagag gatcacagct tggttgcaga ggagaagatg aggctgctga 540
aggagaaaga gaaaaagatg gaggacctgc ggcgggagaa ggatgctgcc gagatgctgg 600
gcgccaagat caaggtagca taccgtagc cttccttagg cccttgccct gtcactgctt 660
tttctttcat caaacaacaa caaaaaacat aaccatatga gggatgatgt ctctcatcag 720
ttttggat 728

```

&lt;210&gt; 1586

&lt;211&gt; 1808

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1586

```

gggtgcgcgg gcaacttccg gtgtgggtga cgagtgggtg ccgaagcagg gggacagcaa 60
gggacgctca ggcggggacc atggcggaag gcggctcgga gcgggctgac gggcgcatcg 120
tcaagatgga ggtggactac agcgccacgg tggatcagcg cctacccgag tgtgcgaagc 180
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gctatgaggg taaagaatgg gatttactta atgaaaatat tatgcttttg tccaaaaggc 360
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gcaagattta tgttgaaatt gagcgtgcgc gactgactaa aacattagca actataaaag 540
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tcaacatgag ggatcctatt tgtctatttg taagcactac agagcaatat atgatactcc 840
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tgtcataact taccagata tgtttttcta tcatttgaaa ctttttttagc tactgtttgt 1740
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aaaaaaaaa 1808

```

989

<210> 1587  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (30)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (201)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (341)  
 <223> n equals a,t,g, or c

<400> 1587  
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 gtcaaggtga ggtcaaaggg ggaaagggca ctgggggtga tgtcaagggg agggcccaga 180  
 tggaagagag cctggcctgg nacacagtgg ctggccttgt ttgagccatc aggcactgcc 240  
 ctggcccatt tccagggcct cctgcctcct ttgacacctt cctccccac agttcacagt 300  
 gayctttgag agtgacaaat tcaaggtgaa actgccagat nggcacgaac tgacttttcc 360  
 caacaggctg ggtcaca 377

<210> 1588  
 <211> 1486  
 <212> DNA  
 <213> Homo sapiens

<400> 1588  
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 gtgggagagg tatcggcagg ggcagcgctg ccgcccgggc ctggggctga cccgtctgac 120  
 ttcccgtccg tgccgagccc actcgagccg cagccatgtc tggggacgag atgatttttg 180  
 atcctactat gagcaagaag aaaaagaaga agaagaagcc ttttatgtta gatgaggaag 240  
 gggataccca aacagaggaa acccagcctt cagaaacaaa agaagtggag ccagagccaa 300  
 ctgaggacaa ggattttgaa gctgatgaag aggacactag gaaaaaagat gcttctgatg 360  
 atctagatga cttgaacttc tttaatcaaa agaaaaagaa gaaaaaaact aaaaagatat 420  
 ttgatattga tgaagctgaa gaaggtgtaa aggatcttaa gattgaaagt gatgttcaag 480  
 aaccaactga accagaggat gaccttgaca ttatgcttgg caataaaaag aagaaaaaga 540  
 agaatgttaa gttcccagat gaggatgaaa tactagagaa agatgaagct ctagaagatg 600  
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 gctcagaaag agactacaca tacgaggagc tgctgaatcg agtgttcaac atcatgaggg 720  
 aaaagaatcc agatatggtt gctggggaga aaaggaaatt tgtcatgaaa cctccacaag 780  
 tcgtccgagt aggaaccaag aaaacttctt ttgtcaactt tacagatatc tgtaaactat 840  
 tacatcgta gcccacacat ctccttgcat ttttgttggc tgaattgggt acaagtgggt 900

990

```

ctatagatgg taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa 960
atgtcttgag aagatatatc aaggaatatg tcacttgatc cacatgccga tcaccggaca 1020
caatcctgca gaaggacaca cgactctatt tcctacagtg cgaaacttgt cattctagat 1080
gttctgttgc cagtatcaaa accggcttcc aggctgtcac gggcaagcga gcacagctcc 1140
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tgctttttta aaatcgttca tagacttctg taaaatgcaa gataaattaa agttattata 1440
acagtgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486

```

&lt;210&gt; 1589

&lt;211&gt; 998

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1589

```

cgttacacat gacaccagtg cttttgtttc attgggctgg gctctctgga aggtgtgctg 60
ctgcctgagc tgctggaaaa gcactgacag gtgtttgcta gaaaagcact cctggagctt 120
gccaccagct tggacttcta gggactttcc tctcagccag gaaggatttt gatattcatc 180
agaaatacct ccagaagatt caaggagctg tagagggtgaa gtaagcctgt gaaggaccag 240
catgggaatc ctatactctg agcccatctg ccaagcagcc tatcagaatg actttggaca 300
agtgtggcgg tgggtgaaaag aagacagcag ctatgccaac gttcaagatg gctttaatgg 360
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aagaagaaat gctaattgtca acctcaaaaa ccagaaagag agaacctgct tgcattatgc 480
tgtgaagaaa aaatttacct tcattgatta tctactaatt atcctcttaa tgcctgtyct 540
gcttattggg tatttcctca tggatatcaa gacaaagcag aatgaggctc ttgtacgaat 600
gctacttgat gctggtgtcg aagttaatgc tacagattgt tatggctgta ccgcattaca 660
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ccccacaata aagaataagc atgggtgagag ctactggat attgcacgga gattaaaatt 780
ttcccagatt gaattaatgc taaggaaagc attgtaatcc ttgtgaccac accgatggag 840
atacagaaaa agttaacgac tggattctat cttcatttta gacttttggg ctgtgggcca 900
ttaacctgg atgccaccat tttatgggga taatgatgct taccatgggt aatgttttgg 960
aagagctttt tatttatagc attgtttact cagtcaag 998

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&lt;210&gt; 1590

&lt;211&gt; 2122

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1306)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1590



991

```

tctgcctcat tctccagagg angacaattg agtttccactg atttgggctt accacctact 60
gaccacctcc aggccctcatt tggatttccag accttttcaac ccagtggcat attattagat 120
catcagacat ggacaagggra actgcaggtc actctggaag atggttacat tgaattgagc 180
accagcgata gcgrcggccc aattttttaa tctccacaga cgtatatgga tggtttactg 240
cattatgtat ctgtaataag cgacaactct ggactacggc ttctcatcga tgaccagctt 300
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gaagtcctag atttgaccag taactctctc aagagagatg tgtccctggg aggctgcagt 480
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gcattcagtg ctacatgtgt attttatata aaaatcccat ttcttgaaga taaaaaaatt 1920
gttattcaaa ttgttatgca cagaatgttt ttggtaatat taatttccac taaaaaatta 1980
aatgtctttt aagaaacatt cttttccact tgttaaaaaa attaaatata ttttaaagca 2040
ctttaagaat atgaaacttt catatatgtt aaaggattat aatttatgga attaaaaaat 2100
gcagtgtagt ctttaaaaaa aa 2122

```

&lt;210&gt; 1591

&lt;211&gt; 529

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (437)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (480)

&lt;223&gt; n equals a,t,g, or c

992

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (491)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1591

```

tttctaattcc tatctgggga gtccttgccc aggataatat atttgcagat aattctggac 60
cagagacttg gtgcgggggtt aacaccttca tccagattgg gtgccagcat acattttctg 120
gtgggcctta acatccctcc tgcttttagg agaattcaca gaacctactg ttcctttcag 180
atgacctttt ggaaaatagt tccctttgcc aacagaaaca tgccagaagg aatctttctca 240
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taagagattt atctttntac agattttcta gaaatgtttt aggttactaa aaacagggtn 480
ggggc aaact ntgttaaact ggtacaattt tataggtgga aagaaaaaa 529

```

&lt;210&gt; 1592

&lt;211&gt; 1216

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1592

```

ggtgctacct ggctctcctg tctctgcagc tctacaggtg aggcccagca gagggagtag 60
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gtccacccca gtccctttca gstgctgctt aatgccctgc tctctccctg gccacctta 180
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tgagactcgg tccaagagtc cattccccag gtgggagcca actgtcaggg aggtctttcc 420
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ttgtacatat gtttcacagt acaggatctg tacataaaag tttctttcct aaaccattca 780
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agccaaggaa attggctctg gtttggaata attttgctgt tattatagta aacatacaaa 1200
ggatgtcaaa aaaaaa 1216

```

&lt;210&gt; 1593

&lt;211&gt; 689

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

993

<221> misc feature  
 <222> (565)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (582)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (620)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (649)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (670)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (680)  
 <223> n equals a,t,g, or c

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 gaacttatttt tcctgtgaaa atgcctacca caaagaagac attgatgttc ttatcaagct 180  
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 gactttttcg tggggagagt agtgaagaat tgagtcacgg acttgcagaa ccaaagaaaa 360  
 agtttgcaagt tttagagata ctgaataatt cttcccaaaa aaactctgca ttcggtgact 420  
 atcctgttcc tggtcctgag tttgatcacg tcgctgctga gctctgggtt taccttctac 480  
 aacagcatca gcaaccctta ccagacattc ctggggcccg acgggggtgt acacctggaa 540  
 cgggctcggg catccttcgt tttgngacca tgatactgtt gnggcgaaca cgcagtccaa 600  
 ccaattttcc gaaagtggtn caaatgcttt aaccggaaac accagtaang gaccgaccac 660  
 agttccgggn cctgtttggn taaaacggt 689

<210> 1594  
 <211> 946  
 <212> DNA  
 <213> Homo sapiens

<400> 1594  
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 ataagaagat attccttttt ttgtcctaga gaacttatttt tcctgtgaaa atgcctacca 120

## 994

```

caaagaagac attgatgttc ttatcaagct ttttcaccag ccttgggtcc ttcattgtaa 180
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cttcaaattg gagcattttc atcacttacg gactttttcg tggggagagt agtgaagaat 300
tgagtcacgg acttgcagaa ccaaagaaaa agtttgcagc atccttcgtt tttgtgacca 360
tgatactgtt tgtggcgaac acgcagtcca accaactctc cgaagagttg ttccaaatgc 420
tttaccgggc aaccaccagt aaaggaacga cccacagtta cggatactcg ttctgggtca 480
tactgctcgt cattcttcta aatatagtca ctgtaaccat catcattttc taccagaagg 540
ccagatacca gcggaagcag gagcagagaa agccaatgga atatgctcca agggacggaa 600
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agtagtaact ggtagcttc tctggacaat tcagcatggg aacgtgactg tcatctgtga 720
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ctgtgtcatg tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 946

```

&lt;210&gt; 1595

&lt;211&gt; 875

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1595

```

cctacttgca gctcctgcct ttggaaatgg atgacacaga aacaggcctt ctcaagtcca 60
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&lt;210&gt; 1596

&lt;211&gt; 1257

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1254)

&lt;223&gt; n equals a,t,g, or c

995

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1256)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1596

```

gccccacgct cgcgccacgc gtccgcctgg gtgccagcgc cccagaggtc ccgggacagc 60
ccgaggcgcc gcgccccgcc ccccgagctc cccaagcctt cgagagcggc gcacactccc 120
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&lt;210&gt; 1597

&lt;211&gt; 941

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1597

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gcaccacagc gctccagcct ggtcgacaga gtgagactcc atctcaagaa aataaaaaata 60
aagttgttct ctgaagagca aatgtctcat tccagtaatg acccactcag caggaatatg 120
gtggagttca gtccaattca ggtcagccat atccaaaaga ccacaagtca ttactaagtt 180
gagcaaaaaga gtttttatct attagcagaa agggcctctc tggcagcaga gattaaaaac 240
tggcccaact tcatttccat acttcagggg acagcaaatt gaggatttac ttatctagga 300
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gtatcacttt ttctacattt tggcacaata aataggagta ggggtggtgg gtggggtggg 720
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gagaagtcaa acaaagccga tacgtgcagc cctgtctaca gaatccttca ttatccagtt 900
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996

<210> 1598  
<211> 505  
<212> DNA  
<213> Homo sapiens

<400> 1598  
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gtacagtggc cccccgtgaa agacagaatt gtggttttcc tgggtgtcacg ccctcccagt 180  
gtgcaaataa gggctgctgt ttcgacgaca ccgttcgtgg ggtcccctgg tgcttctatc 240  
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ctgcctgcat cctgacgcgg tgccgtcccc agcacgggtga ttagtcccag agctcggctg 360  
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aaaaaaaaar aaaagggcgg ccgct 505

<210> 1599  
<211> 280  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<400> 1599  
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cagattgact gctctgactt tgactactca aaattggcct aaaaattaaa agagatcgat 180  
attaaaaaaaa aaaaaaaagg aaaaaaaagg gcggcgcgtc aagaggatcc aagcttacgt 240  
aacgcgtgca tgcgaaggtc atagctcttc tatagtgtca 280

<210> 1600  
<211> 1529  
<212> DNA  
<213> Homo sapiens

<400> 1600  
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tcttcagtta atggcaagac ttgcagaggg tacaggtttg cagattccgc cagcagcaca 180  
gcaagctcta cagatgagtg gctctttggc atttgggtgct gtggcagaat tctcttttgt 240  
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ctctgttcag ccacttgcaa cacaatgttt ccaactctct aacatgttta accctcaaac 360  
agaagaagaa gttggatggg ataccgagat taaggatgat gtgattgaag aatgtaataa 420  
acatggagga gttattcata tttatgttga caaaaattca gctcagggca atgtgtatgt 480  
gaagtgccca tcaattgctg cagctatttg tgctgtcaat gcattgcatg gcaggtgggt 540  
tgctggtaaa atgataacag cagcatatgt acctcttcca acttaccaca acctgtttcc 600  
tgattctatg acagcaacac agctactggg tccaagtaga cgatgaagga agatatagtc 660

997

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ccttatgtat atagcttttt ttctttcttg agaattcatc ttgagttatc ttttatttag 720
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agtctcttaa aaaggcmaaa aaaaaaaaaa 1529

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&lt;210&gt; 1601

&lt;211&gt; 3096

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1601

```

gagagagctc agatggccct tttaaggggg ctccaagaac caacatcact gctcttttag 60
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taggaggaca aaatgggggtc aagaggacac agaagagttg tatagcacca gattgggtcc 180
aaatagttaa tggatgtgtg cacattttct gttcagggat taagaccaga atatcagtgg 240
atttgtttcc cccaccaagt ggctctcttag actagtcatt aacttatgat tagctctaaa 300
gatttcaaat agtggcagac agtgtcttct gaatgtaagt tttgagaaat acgagtctgt 360
cagagcggcc ataagccata aagagtcaat ctcttaatta tatttttcat catgtaaaaca 420
agtttcccat ttccctttct tagattgcac cagtgaagga gatgttttgc aaagattcag 480
agaactaatt ttccactgga taagacctga gtaaccaga cccccaccg tggttctttt 540
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tttaagaaag aatttctgtg aagtgtgagg actctggagt ctagctcaca taaagagagt 660
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gatttgacac caatatgggc aaaattagat aaccttttgg ttaatataaa tgattttgat 780
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## 998

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&lt;210&gt; 1602

&lt;211&gt; 336

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1602

```

gtgctttgtg ctttgtgcat gtggtaggca gaacactacc atatgtcccc acatacttac 60
actagacctt ggagcaagag caagaacagc aaaagcacag cgcttttgaa cccaaaagac 120
aagctccctt ctctctgcgt tgctccctca gctscctctg ctgaccagggt ttagcatcat 180
gtgctctgta aaggaggaat tctggagagt ccagtcattt attacagagc tagtactgaa 240
gggtgagttt ggagttaaga ggcaataaat tgataactgg cacagaagcc aaatataaga 300
gtattgacta aataatagct aagtacaaga acacag 336

```

&lt;210&gt; 1603

&lt;211&gt; 1035

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1603

```

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999

```

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gatgtagctc agggg                                     1035

```

&lt;210&gt; 1604

&lt;211&gt; 2231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1604

```

cccacgcgtc cggcacagac agcacttcca tatgccatga atagcgagtt ctcaagtgtc 60
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## 1000

```

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tttaaatgac gcacaaactg aagatgttaa taaaatttaa gagtaataca atgaaaaaaaa 2220
aaaaaaaaaa a                                     2231

```

&lt;210&gt; 1605

&lt;211&gt; 679

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (590)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (595)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1605

```

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cactgggctg aagtttaacc ctctcaatac caaccagttt tacgcctcct caatggaggg 120
aacaactagg ctgcaagact ttaaaggcaa cattctacga gtttttgcca gctcagacac 180
catcaacatc tgggttttgta gcctggatgt gtctgctagt agccgaatgg tggtcacagg 240
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aatgcacaaa aagaaagtga cgcattgtggc cctgaacca tgctgtgatt ggttcctggc 360
cacagcctcc gtagatcaaa cagtgaataa ttgggacctg cgccagggtta gagggaaaagc 420
cagcttcttc tactcgctgc cgcacaggca tcctgtcaac gcagcttggt tcagtcccga 480
tggagcccg gctcctgacca cggaccagaa gagcgagatc cgagtttact ctgcttccca 540
gtgggactgc cccctggggc tgatcccga cctcaccgt cacttccagn acctnacacc 600
catcaaggca gcctgggatc ctcgctacaa cctcattggt gtgggcccga acccagatcc 660
taatttcaaa agttgtacc                                     679

```

&lt;210&gt; 1606

&lt;211&gt; 1677

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1668)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1673)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 1001

&lt;222&gt; (1676)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1606

```
atccttcaact aagcctgctt tagtttccac cacctgcttc tgcattcttt taatggctcc 60
ttaggtctcc aggaaagcta acagccaggg agaggatcag tctcttgctg gaccctggca 120
gctttkttga gagcgacatg tttgtggaac acagatgtgc agattttgga atggctgctg 180
ataagaataa gtttcctgga gacagcgtgg tcactggacg aggccgaatc aatggaagat 240
tggtttatgt cttcagtcag gattttacag tttttggagg cagtctgtca ggagcacatg 300
cccaaaagat ctgcaaaatc atggaccagg ccataacggg gggggctcca gtgattgggc 360
tgaatgactc tgggggagca cggatccaag aaggagtggg gtctttgggt ggctatgcag 420
acatctttct gaggaatggt acggcatccg gagtcatccc tcagatttct ctgatcatgg 480
gcccatgtgc tgggtggggcc gtctactccc cagccctaac agacttcacg ttcattggtaa 540
aggacacctc ctacctgttc atcactggcc ctgatgttgt gaagtctgtc accaatgagg 600
atgttaccca ggaggagctc ggtggtgcc aagaccacac caccatgtca ggtgtggccc 660
acagagcttt tgaaaatgat gttgatgcct tgtgtaatct ccgggatttc ttcaactacc 720
tgccctgag cagtcaggac ccggctcccg tccgtgagtg ccacgatecc agtgaccgtc 780
tggttcctga gcttgacaca attgtccctt tggaatcaac caaagcctac aacatgggtg 840
acatcataca ctctgttgtt gatgagcgtg aattttttga gatcatgccc aattatgcca 900
agaacatcat tgttggtttt gcaagaatga atgggaggac tgttggaatt gttggcaacc 960
aacctaaggt ggcctcagga tgcttgata ttaattcatc tgtgaaaggg gctcgttttg 1020
tcagattctg tgatgcattc aatattccac tcatcacttt tgttgatgtc cctggctttc 1080
tacctggcac agcacaggaa tacgggggca tcatccggca tggtgccaag cttctctacg 1140
catttgctga ggcaactgta cccaaagtca cagtcatcac caggaaggcc tatggagggtg 1200
cctatgatgt catgagctct aagcaccttt gtggtgatac caactatgcc tggcccaccg 1260
cagagattgc agtcatggga gcaaaggcg ctgtggagat catcttcaaa gggcatgaga 1320
atgtggaagc tgctcaggca gagtacatcg agaagtttgc caacccttc cctgcagcag 1380
tgcgagggtt tgtggatgac atcatccaac cttcttccac acgtgcccga atctgctgtg 1440
acctggatgt cttggccagc aagaaggtag aacgtccttg gagaaaacat gcaaattattc 1500
cattgtaaac aaatcaaagg aaaagaaacc aagaactgaa ttactgtctg cccattcaca 1560
tcccattcct gccttttgca atcatgaaac ctgggaatcc aaatagttgg ataacttaga 1620
ataactaagt ttattaaatt ctagaagat caaaaaaaaa aaaaaanaa aanaana 1677
```

&lt;210&gt; 1607

&lt;211&gt; 1209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1156)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1607

```
gctgggaagg accggtgtgc taggagatga tgggggaaag catagtcccc tgtctgtggc 60
accagacact cccgactgtg cgctgactct ccccgcccag ccagcagcct tttccagaga 120
```

## 1002

```

ggctgtgggc catagcctct gttcgttttc actgcaggac caggcacgaa agttaaaca 180
aaatgaagat tttttctgaa tctcataaaa cagtgtttgt tgtggatcac tgcccttata 240
tggcagaatc ttgcaggcag catgtcgagt ttgatatgct ggtgaagaat agaaccacaag 300
gaatcattcc tttggccccc atatctaaat cattgtggac tkgtcagta gaatcttcca 360
kgaatattg tagaataatg tatgatatat ttcttttcaa aaagctggtg aattttattg 420
tgagtgactc tggagcacat gttttaaatt cttggactca agaagaccaa aatttacagg 480
agctaattggc agcattagcc gctgktgggc ctctaatcc tcgggcagat ccagagtgtc 540
gcagtattct gcatggcctt gttgcagcag tggaaactct ctgcaaaatt actgaatacc 600
aacatgaggc tcgtactcta ctcatggaga atgcagaacg tgttggaaat agaggacgaa 660
taatctgtat tactaatgca aaaagtgata gtcattgtgcg aatgcttgaa gactgtgtcc 720
aggaaacgat tcatgaacat aacaagcttg ctgcaaatc agatcatctc atgcagattc 780
aaaaatgtga gttggtcttg atccacacct acccagttgg tgaagacagc cttgtatctg 840
atcgttctaa aaaagagttg tccccggttt taaccagtga agttcatagt gttcgtgcag 900
gacggcatct tgctaccaa ttgaatattt tagtacagca acattttgac ttggcttcaa 960
ctactattac aaatattcca atgaaggaag aacagcatgc taacacatct gcccaattatg 1020
atgtggagct acttcatcac aaagatgcac atgtagattt cctgaaaagt ggtgattcgc 1080
atctaggtgg cggcagtcga gaaggctcgt ttaaagaaac aataacatta aagtgggtga 1140
caccaagggn caaatnaaca ttgtgttttc ttctatttca ggaattacac tattgtactg 1200
gggctttat 1209

```

&lt;210&gt; 1608

&lt;211&gt; 2608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1608

```

cgnnccacgc gtccgcagca gggccaacag tcacagcagc cctgaccaga gcattcctgg 60
agctcaagct cctctacaaa gaggtggaca gagaagacag cagagaccat gggaccccc 120
tcagccctc cctgcagatt gcatgtcccc tggaaggagg tcctgtcac agcctcactt 180
ctaacccttct ggaaccacc caccactgcc aagctcacta ttgaatccac gccgttcaat 240
gtcgcagagg ggaaggaggt tcttctactc gccacaacc tgccccagaa tcgtatttgt 300
tacagctggg acaaaggcga aagagtggat ggcaacagtc taattgtagg atatgtaata 360
ggaactcaac aagctacccc agggcccgcga tacagtgggc gagagacaat atacccaat 420
gcatccctgc tgatccagaa cgtcacccag aatgacacag gattctatac cctacaagtc 480
ataaagtcag atcttgtgaa tgaagaarca accggacagt tccatgtata cccggagctg 540
cccaagccct ccatctycag caacaactcc aaccccggtg aggacaagga tgctgtggcc 600
ttcacctgtg aacctgaggy tcagaacaca acctacctgt ggtgggtaaa tggtcagagc 660
ctcccggtca gtcccaggct gcagctgtcc aatggcaaca tgaccctcac tctactcagc 720
gtcaaaagga acgatgcagg atcctatgaa tgtgaaatac agaaccacgc gagtgcaca 780
cgcagtgacc cagtcacct gaatgtctc tatggcccag atggccccac catttcccc 840
tcaaaggcca attaccgtcc aggggaaaat ctgaacctct cctgccacgc agcctctaac 900

```

## 1003

```

ccacctgcac agtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc 960
tttatcccca acatcactgt gaataatagc ggatcctata tgtgccaagc ccataactca 1020
gccactggcc tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc 1080
ctctcagctg tggccaccgt cggcatcacg attggagtgc tggccagggt ggctctgata 1140
tagcagccct ggtgtatttt cgatatattca ggaagactgg cagattggac cagaccctga 1200
attctttctag ctcttccaat cccattttat cccatggaac cactaaaaac aagggtctgct 1260
ctgctcctga agccctatat gctggagatg gacaactcaa tgaaaattta aagggaaaaac 1320
cctcaggcct gaggtgtgtg ccactcagag acttcaccta actagagaca ggcaaactgc 1380
aaaccatggg gagaaattga cgacttcaca ctatggacag cttttcccaa gatgtcaaaa 1440
caagactcct catcatgata aggctcttac ccccttttaa tttgtccttg cttatgcctg 1500
cctcttttgc ttggcaggat gatgctgtca ttagtatttc acaagaagta gcttcagagg 1560
gtaacttaac agagtatcag atctatcttg tcaatcccaa cgttttacat aaaataagag 1620
atccttttagt gcaccagtg actgacatta gcagcatctt taacacagcc gtgtgttcaa 1680
atgtacagtg gtccttttca gagttggact tctagactca cctgtttctca ctccctgttt 1740
taattcaacc cagccatgca atgccaaata atagaattgc tccctaccag ctgaacaggg 1800
aggagtctgt gcagtttctg acacttggtt ttgaacatgg ctaaatacaa tgggtatcgc 1860
tgagactaag ttgtagaaat taacaaatgt gctgcttggg taaaatggct acaactcatc 1920
gactcattct ttattctatt ttagttgggt tgtatcttgc ctaagggtgcg tagtccaaact 1980
cttggtatta ccttccta atgcatacta gtagtcatac tccctgggtg agtgtattct 2040
ctaaaagctt taaatgtctg catgcagcca gccatcaa atgtgaatgg ctctcttttg 2100
ctggaattac aaaactcaga gaaatgtgtc atcaggagaa catcataacc catgaaggat 2160
aaaagcccca aatggtggta actgataata gcactaatgc tttaagattt ggtcacactc 2220
tcacctaggt gagcgcatg agccagtggt gctaaatgct acatactcca actgaaatgt 2280
taaggaagaa gatagatcca attaaaaaaa attaaaacca atttaaaaaa aaaaagaaca 2340
caggagattc cagtctactt gagttagcat aatacagaag tcccctctac tttaactttt 2400
acaaaaaagt aacctgaact aatctgatgt taaccaatgt atttatttct gtggttctgt 2460
ttccttggtc caatttgaca aaaccactg ttcttgatt gtattgcca gggggagcta 2520
tcaactgtact tgtagagtgg tgctgcttta attcataaat cacaataaaa agccaattag 2580
ctctataaaa aaaaaaaaaa aaaaaaaaaa 2608

```

&lt;210&gt; 1609

&lt;211&gt; 2013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1609

```

ggacccagtt tctgaggaag gagaaggcct cagctgccan gatcagtncc acagagaccc 60
tctcggaaga ggagcaggaa gagctaagaa gagaacttgc aaaggtagaa gaagaaatcc 120
agatgctgca agcgagggtcc aagcacatct tgtcaacatg cattgccatg aatttctacc 180
agatgtgctt ttatttagct ttacatatc ctttgacca atagtgtgtg ggttaaacia 240
aatgaaaata tcttcacctc tattcttggg aaacaccctt tagtgtacat ttatgttctc 300

```

## 1004

```
ttatttagga aacaccatta taaaaaact tatagtaaat ggggacattc actataatga 360
tctaagaagc tacagattgt catagttggt ttcctgcttt acaaaattgc tccagatctg 420
gaatgccagt ttgaccttg tcttctataa tatttccttt ttttcccctc tttgaatctc 480
tgtatatttg attcttaact aaaattgttc tcttaaatat tctgaatcct ggtaattaaa 540
agtttgggtg tattttcttt acctccaagg aaagaactac tagctacaaa aaatattttg 600
gaataagcat tgttttggtg taaggtagat attttggttg aagacaccag actgaagtaa 660
acagctgtgc atccaattta ttatagtttt gtaagtaaca atatgtaatc aaacttctag 720
gtgacttgag agtggaacct cctatatcat tatttagcac cgtttgtgac agtaaccatt 780
tcagtgtatt gtttattata ccacttatat caacttattt ttcaccaggt taaaatttta 840
atttctacaa aataacattc tgaatcaagc acactgtatg ttcagtaggt tgaactatga 900
acactgtcat caatgttcag ttcaaaagcc tgaaagttaa gatctagaag ctggtaaaaa 960
tgacaatata aatcacatta ggggaacct tgttgtcttc acttaatcca ttagcacta 1020
tttaaaataa gcacaccaag ttatatgact aatataactt gaaaattttt tatactgagg 1080
ggttggtgat aactcttgag gatgtaatgc attaataaaa atcaactcat cattttctac 1140
ttgttttcaa tgtgttgga actgtaaaat gatactgtag aacctgtctc ctactttgaa 1200
aactgaatgt cagggtgag tgaatcaaa tgtctagaca tatttgcata gaggccaagg 1260
tattctattc taataactgc ttactcaaca ctaccacctt ttccttatac tgtatatgat 1320
tatggcctac aatgttgtat ttgttattta ttaaattgtg attgttttat tattgtttat 1380
gccaaatggt aactgccaag cttggagtga cctaaagcat tttttaaag catggctaga 1440
tttacttcag tataaattat cttatgaaaa ccaaatttta aaagccacag gtgttgattg 1500
ttataaaata acatgctgcc attcttgatt gctagagttt ttgttagtac tttggatgca 1560
attaaaacta tgtgctatca catgtgaaaa gcttaataaa ttccatctat cagtagtata 1620
ggtctcaata ttattatga gaccagtggg ctggaaacag cttgttgtac cgaatcaact 1680
ggagtctatg cttaaaaaaa aaaaattttt ttttaacct ccttaaatta ttgcttaatg 1740
gtatcatatt aacatattct aaataagggc tttaaggcac aggctgttga agcattttct 1800
cagaggagtg gatctgtaga agtctgtctt tctatagaaa tattgtgctt actcaagtgt 1860
taaattattt tttctatgaa ctagtctact tcttaaaatt caaacatatt cttttgatca 1920
cattgtttct tgagcatcct gccctgmyac taacttttca acaaggcaaa atggagtaaa 1980
rwggcaaytt ctttaratga gtgaaaaaaa aaa 2013
```

&lt;210&gt; 1610

&lt;211&gt; 604

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1610

```
ggcagagcgc cgacgcagac cctctctctgc acgccagccc gccgcaccc accatggcca 60
cagttcagca gctggaagga agatggcgcc tgggtggacag caaaggcttt gatgaatata 120
tgaaggagct aggagtggga atagctttgc gaaaaatggg cgcaatggcc aagccctgag 180
atttccttca tactgggcca ggaatttgac gaagtcactg cagatgacag gaaagtcaag 240
agcaccataa ccttagatgg ggggtgtcctg gtacatgtgc agaaatggga tggaaaatca 300
accaccataa agagaaaacg agaggatgat aaactgggtg tggaatgcgt catgaaaggc 360
gtcacttcca cgagagttaa tgagagagca taagccaagg gacgttgacc tggactgaag 420
ttcgcatlga actctacaac attctgtggg atatattggt caaaaagata ttgttggttt 480
ccatgattta gcaagcaact aattttctcc caagctgatt ttattcaata tggttacgtt 540
ggttaaataa acttttttta gatttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaa 604
```

&lt;210&gt; 1611

&lt;211&gt; 979

&lt;212&gt; DNA

1005

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (303)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1611

```

caggggaacca ttgctggaca aggcacagga gccacctcca tttctgagct ctgcaaggga 60
caagaactag agccatcagg ggctgggctc actgtggccc caccccaagc cgtcagcctc 120
cagggatcta caccctgcct tggctgctac agctttttca ctccactgcc ctaggggagt 180
tcagcaacct aatgatctct atctctgaac atctcttcat cccatgctcc aagtccagca 240
acctgcaccc tggaaccagg agnggacct acccaggctg ttcttgaact cctgacctca 300
ggngctccgc ctgcgctggc ttcccggggt gctgggatac aggagtgagc cactgcgcct 360
ggctgatccc agcacttttc aaatgatgcc gctcaaagcc gtgacttggc ctactttgaa 420
cagcaaaactt gttgctgctg ttgtcaacct gaaggcctct caaatgccag cttcaagcag 480
ggtgtgaatt ggccagtgtc agatctcagg agtcctgtgt tgagagtgtg gctttcagct 540
gcggggagct gcacttggtg gggaaagcca ggcaggtcac cctcacagcc agataatgtg 600
gaggtcagaa cccaaggaag ggagtgaagc ctccactccc agtgggggac ctggccaccc 660
atccttgggg acctgagaaa gcgtacttca ccttgggggt aaggctgggt ggggccagag 720
ggaccagtgc cctcctcagt gcttaggggc agagccacct gcagcaatgg tatctgcata 780
ttagcccttc tccaccttct ttctcccgt gaatcatttc cctcaaagcc caagagctgt 840
cactgcttct ttctccctgg gaagaatgcg tggactctgc ctggtgatag actgaagcca 900
gaacagtgcc acaccctcgc cttaatctct tgctaggtgt tctcagatt atgagacttc 960
ttagtcaaat atgaaggga                                     979

```

&lt;210&gt; 1612

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1612

```

gaacatagtt ctttccaaca tgtaaggctt gattcatgtg aaataaatcc tttgcaacat 60
cttcttcaca tgaatcagac ctaacatagt tctttccaac atgtaaggta aatacattga 120
ttaactttct cttttccaaa attaggttta aggatttatt tcacaaattt taaaggrgat 180
atgagtaaaa gtttttatct ttctctgact ttttctcctg aacacttatg tcttagcaag 240
tggtcaacat gaggatttga acgcctaatt gttggtaaata ggttgaggca tgacaaaaat 300
attaatatcc actgtttacc atcatgttat ttgaaacaaa agtgaccatg tatactatct 360
tgcttgaaga agtctttgac agaaaaagca atatcatgtc atttataaat tttcttgttc 420
taaagaaagc agttatatat atatataaat tatgtaaata aaagttattt tatatcaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaa                                     504

```

&lt;210&gt; 1613

&lt;211&gt; 1650

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1006

&lt;400&gt; 1613

```
gagtacggca gcccgtcggg catcagcgtc agcaaaggca gccctgacgg cagccacccg 60
gtggtggtgg cgccctacaa cggcggggcg ccgcgcacgt gcccgaagat caagcaggag 120
gcggtctctt cgtgcaccca cttgggcgct ggacccccctc tcagcaatgg ccaccggccg 180
gctgcacacg acttccccct ggggcggcag ctccccagca ggactacccc gaccctgggt 240
cttgaggaag tgctgagcag cagggaactgt caccctgccc tgccgcttcc tcccggcttc 300
catccccacc cggggcccaa ttaccatcc ttccctgccc atcagatgca gccgcaagtc 360
ccgcgcgtcc attaccaaga gctcatgcca cccggttcct gcatgccaga ggagcccaag 420
ccaaagaggg gaagacgatc gtggccccgg aaaaggaccg ccaccacacac ttgtgattac 480
gcgggctgcg gcaaaaccta cacaagagt tcccatctca aggcacacct gcgaaccac 540
acaggtgaga aaccttacca ctgtgactgg gacggctgtg gatggaaatt cgcccgctca 600
gatgaactga ccaggcacta ccgtaaacac acggggcacc gcccggtcca gtgccaaaaa 660
tgcgaccgag cattttccag gtcggaccac ctgccttac acatgaagag gcatttttaa 720
atcccagaca gtggatatga cccacactgc cagaagagaa ttcagtattt tttacttttc 780
acactgtctt cccgatgagg gaaggagccc agccagaaaag cactacaatc atggtaagt 840
tcccactga gtcacttgt gagtgataa tcaggaaaaa tgaggaatcc aaaagacaaa 900
aatcaaagaa cagatggggg ctgtgactgg atcttctatc attccaatc taaatccgac 960
ttgaatatcc ctggacttac aaaatgccaa gggggtgact ggaagtgtg gatatcaggg 1020
tataaattat atccgtgagt tgggggaggg aagaccagaa ttcccttgaa ttgtgtattg 1080
atgcaatata agcataaaaag atcaccttgt attctcttta ccttctaaaa gccattatta 1140
tgatgttaga agaagaggaa gaaattcagg tacagaaaac atgtttaaat agcctaaatg 1200
atgggtgctt gtgagtcttg gttctaaagg taccaaaca ggaagccaaa gttttcaaac 1260
tgctgcatac ttgacaagg aaaatctata ttgtcttcc gatcaacatt tatgacctaa 1320
gtcaggtaat atacctgggt tacttcttta gcatttttat gcagacagtc tgttatgcac 1380
tgtggtttca gatgtgcaat aatttgtaca atgggtttatt cccaagtatg ccttaagcag 1440
aacaatgtg tttttctata tagttccttg ccttaataaaa tatgtaatat aaatttaagc 1500
aaacgtctat tttgtatatt tgtaaactac aaagtaaaat gaacattttg tggagtttgt 1560
attttgcata ctcaagggtga gaattaagtt ttaaataaac ctataatatt ttatctgaaa 1620
aaaaaaaaaa aaagggcggc cgctcgcgac 1650
```

&lt;210&gt; 1614

&lt;211&gt; 987

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1614

```
gctcgtgccg aattcggcac gagtcggcac gaggtccaag ggggtgtgtg ttcacgggaa 60
tgctgagtac cagcccgggt ctccagttta ttcttccaag tgccaggact gcgtgtgcac 120
ggacaagggt gacaacaaca cctgtctcaa cgtcatcgcc tgcaccacg tgccctgcaa 180
cacctcctgc agccctgggt tcgaactcat ggaggcccc ggggagtgt gtaagaagt 240
tgaacagacg cactgtatca tcaaacggcc cgacaaccag cacgtcatcc tgaagccccg 300
ggacttcaag agcgaccgga agaacaactg cacattcttc agctgcgtga agatccacaa 360
ccagctcate tcgtccgtct ccaacatcac ctgccccaac ttgatgccg gcatttgcac 420
ccggggtccc atcacattca tgcccaatgg atgctgcaag acctgcaccc ctgcaatga 480
gaccaggggt cctgtctcca ccgtccccgt caccacggag gtttcgtacg ccggctgcac 540
caagaccgtc ctcatgaatc attgctccgg gtccctgcgg acatttgtca tgtactcggc 600
caaggcccg gcccggacc acagctgtc ctgctgcaaa gaggagaaaa ccagccagcg 660
tgaggtggtc ctgagctgcc ccaatggcgg ctgctgaca cacacctaca cccacatcga 720
gagctgccag tgccaggaca ccgtctgcgg gctccccacc ggcacctccc gccgggcccc 780
gcgctcccc atggcatctgg ggagcgggtg agcgggggtg gcacagcccc cttactgcc 840
```



## 1007

```

ctcgacagct ttacctcccc cggaccctct gagcctccta agctcggctt cctctcttca 900
gatattttatt gtctgagtct ttgttcagtc cttgctttcc aataataaac tcagggggac 960
atgcaaaaaa aaaaaaaaaa aaaaaaaa                                987

```

```

<210> 1615
<211> 1487
<212> DNA
<213> Homo sapiens

```

```

<400> 1615
gcttgtcatg agaaggtggt aaatatccaa aaagaccccg gtgaatctct cggcatgacc 60
gtcgcagggg gagcatcaca tagaraatgg gatttgccta tctatgtcat cagtgttgag 120
cccggaggag tcataagcag agatggaaga ataaaaacag gtgacatttt gttgaatgtg 180
gatggggctg aactgacaga ggtcagccgg agtgaggcag tggcattatt gaaaagaaca 240
tcatcctcga tagtactcaa agcttttgaa gtcaaagagt atgagcccca ggaagactgc 300
agcagcccag cagccctgga ctccaaccac aacatggccc caccagtgga ctggtcccca 360
tcctgggtca tgtggctgga attaccacgg tgcttgtata actgtaaaga tattgtatta 420
cgaagaaaca cagctggaag tctgggcttc tgcattgtag gaggttatga agaatacaat 480
ggaaacaaac cttttttcat caaatccatt gttgaaggaa caccagcata caatgatgga 540
agaattagat gtggtgatat tcttcttgct gtcaatggta gaagtacatc aggaatgata 600
catgcttgct tggcaagact gctgaaagaa cttaaaggaa gaattactct aactattgtt 660
tcttggcctg gcactttttt atagaatcaa tgatgggtca gaggaaaaca gaaaaatcac 720
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aatacattgt aaaaatgtca ggaaaagtat gatcatctaa tgaaagccag ttacacctca 840
gaaaatatga ttccaaaaaa attaaaacta ctagtttttt ttcagtgtgg aggatttctc 900
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cattgctgag aaacgttgct ttcacaaac aagaataaat atttttcaga agttatagtt 1140
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ctccaccagt gggccttgga aaatgcatca agaaggccaa accagcttga ccttggttya 1440
cagacatggt catgaggcga tttaaatttg tgctctgccg ctctgcc                                1487

```

```

<210> 1616
<211> 713
<212> DNA
<213> Homo sapiens

```

```

<400> 1616
acacccaata atcagtcatg tgtaatatgc acaagtttgt ttttgttttt gttttttttg 60
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tcccactcca cataaggggt ttagtaagag aagtcctgtct gtctgatgat ggataggggg 180
caaatctttt tcccckytct gttaatagtc atcacatttc tatgccaaac aggaacratc 240
cataacttta gtyttaatgt acacattgca ttttgataaa attaattttg ttgtttcctt 300
tgaggttgat cgtttgtgtg ttgttttgct gcacttttta ctttttttgcg tgtggagctg 360
tattcccagag accaacgaag cgttgggata cttcattaaa tgtagecact gtcaacagcg 420
tgcagggttt ctgtttctgt gttgtgggt caaccgtaca atgggtgtggg agtgacgatg 480
atgtgaatat ttagaatgta ccatattttt tgtaaattat ttatgttttt ctaaacaat 540

```

## 1008

```

ttatcgtata ggttgatgaa acgtcatgtg ttttgccaaa gactgtaaat atttatttat 600
gtgttcacat ggtcaaaatt tcaccactga aaccctgcac ttagctagaa cctcattttt 660
aaagattaac aacaggaaat aaattgtaaa aaaggttttc tataaaaaaa aaa 713

```

<210> 1617

<211> 3522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3503)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3508)

<223> n equals a,t,g, or c

<400> 1617

```

agtccggaat tcccgggttt gntgacgcgt ccgcagcaag gtgcctcgct gtgtcaacac 60
tcagcctggc tccactgcc tgccctgccc gccccgatac agaggggaacc agcccgtcgg 120
ggtcggcctg gaagcagcca agacggaaaa gcaagtgtgt gagcccgaaa acccatgcaa 180
ggacaagaca cacaactgcc acaagcacgc ggagtgcac tacctgggyc acttcagcga 240
ccccatgtac aagtgcgagt gccagacagg ctacgcgggc gacgggctca tctgcgggga 300
ggactcggac ctggacggct ggcccaacct caatctggtc tgcgccacca acgccaccta 360
ccactgcac aaggataact gccccatct gccaaattct gggcaggaag actttgacaa 420
ggacgggatt ggcgatgcct gtgatgatga cgatgacaat gacgggtgtga ccgatgagaa 480
ggacaactgc cagctcctct tcaatccccg ccaggctgac tatgacaagg atgaggttgg 540
ggaccgctgt gacaactgcc cttacgtgca caaccctgcc cagatcgaca cagacaacaa 600
tggagagggg gacgcctgct ccgtggacat tgatggggac gatgtcttca atgaacgaga 660
caattgtccc tacgtctaca aactgacca gagggacacg gatggtgacg gtgtggggga 720
tactgtgac aactgcccc tggtgcacaa cctgaccag accgacgtgg acaatgacct 780
tggtggggac cagtgtgaca acaacgagga catagatgac gacggccacc agaacaacca 840
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cgacgcctgt gaccctgatg atgacaacga tggcgtcccc gatgacaggg acaactgccg 960
gcttgtgttc aaccagacc aggaggactt ggacgggtgat ggacgggggtg atatttgtaa 1020
agatgatatt gacaatgaca acatcccaga tattgatgat gtgtgtcctg aaaacaatgc 1080
catcagttag acagacttca ggaacttcca gatggtcccc ttggatccca aagggaccac 1140
ccaaattgat cccaactggg tcattcgcca tcaaggcaag gagctgggtc agacagccaa 1200
ctcggacccc ggcacgcgtg taggttttga cgagtttggg tctgtggact tcagtggcac 1260

```

1009

```

attctacgta aacactgacc gggacgacga ctatgccggc ttcgtctttg gttaccagtc 1320
aagcagccgc ttctatgtgg tgatgtggaa gcagggtgacg cagacctact gggaggacca 1380
gccacgcggg gcctatggct actccggcgt gtccctcaag gtggtgaact ccaccacggg 1440
gacgggcgag cacctgagga acgcgctgtg gcacacgggg aacacgccgg ggcagggtgcg 1500
aaccttatgg caccgaccca ggaacattgg ctggaaggac tacacggcct atagggtggca 1560
cctgactcac agggccaaga ctggctacat cagagtctta gtgcatgaag gaaaacagggt 1620
catggcagac tcaggaccta tctatgacca aacctacgct ggcggggcggc tgggtctatt 1680
tgtcttctct caagaaatgg tctatttctc agacctcaag tacgaatgca gagatattta 1740
aacaagattt gctgcatttc cggcaatgcc ctgtgcatgc catggtccct agacacctca 1800
gttcattgtg gtccctgtgg ctctctctct tagcagcacc tcctgtccct tgaccttaac 1860
tctgatgggt ctccacctcc tgccagcaac cccaaaccca agtgccttca gaggataaat 1920
atcaatggaa ckcagagatg aacatctaac ccactagagg aaaccagttt ggtgatatat 1980
gagactttat gtggagtga aattgggcat gccattacat tgcttttctc tgtttgttta 2040
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aacatgtaaa acagttacaa aaataaacga actctcctct tgcctacaa tgaaagccct 2400
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cggttccaga tgtggatttg gcaaaacctc atttaagtaa aaggttagca gagcaaagtg 2520
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gcaactccat ttaccagtaa cttattttta atatgcctag taacacatat gtagtataat 2820
ttctagaaac aaacatctaa taagtatata atcctgtgaa aatatgaggc ttgataatat 2880
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gttatctatc tgctgtatat ggaattcttt taattcaaac gctgaaaacg aatcagcatt 3060
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tgcggtgtgga gctgtattcc cgagaccaac gaagcgttgg gatacttcat taaatgtagc 3480
gactgtcaac agcaaaaaaa gancttnnaa aataataagg aa 3522

```

&lt;210&gt; 1618

&lt;211&gt; 902

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1618

```

ggccaacccat cagtattttc cccccacaac atgtgtaaca cttttcagtc tgtggatata 60
tgatacatta agatttcttt ttataagtat tcattttgaa tgtgcatata gttatttgac 120
cccttccaaa tacttgtagc caaacattgg ctagaacatc ccaagatatg ctgacactgt 180
cctgttagct tcatattata cttgctagtt taggtctcta tagaagccct atataattta 240
gaatatgccc actgaatatc tttaatagaa agtaacataa agctagtatt caatgtagag 300
tattttcata tgtttttcac agcccgttac aaattggcaa tgttttggtta atgtttgtat 360

```

## 1010

```

tacttggaac tgcctacagc ttggactatt tttttctaaa ttttttagcat tagtccattt 420
ctgctgctaa caattgaatc cagaaatcta ctttctccat cttccactgt tagtgccagt 480
gagcaatact gttgtgcaac aaaaatgtca ctttatctca gtgtgaatga gtagtctaaa 540
ttccctttct accattgatt taaatatata tattggtaag agagactgcc catgtgttta 600
gaatagaatt ttttaaataa aatgatcaac aggtggaatt tgaaatatat tcttctacaa 660
aagagatttc tttccctttt atattttgat gattgttttc ttaagattaa gatattgtct 720
tgctctttta taagattatt taaattatgt ttccctctga ttttttttca ccattgtatt 780
tactaagtta ttggatttac atgaaatctg gcactttagg gtgttctttt tctcacagag 840
tatatttaat aaaaatgctg tgtatatara aaaaaaaaaa aaaaaaaaaa agggcggccg 900
ct 902

```

&lt;210&gt; 1619

&lt;211&gt; 1158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1108)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1145)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1619

```

tcgacccacg cgtccgagcc gagactgcga aggagaacgc agcaagccca ggcggcggtg 60
gaaaggctgg aggacacacc taaacatgtg gaatcccaat gccgggcagc cagggccaaa 120
tccatatccc cccaatattg ggtgccctgg aggttccaat cctgccacc caccacctat 180
taatccaccc tttccccag gccctgtcc tctccccca ggagctcccc atggcaatcc 240
agctttcccc ccagggtggc cccctcatcc tgtgccacag ccagggtatc caggatgcc 300
accgttgggt cctaccctc ctccataccc accgcctgcc cctggaatcc ctctgtgaa 360
tcccttggct cctggcatgg ttggaccagc agtgatagta gacaagaaga tgcagaagaa 420
aatgaagaaa gtcataaaa agatgcacaa gcacaaaag caccacaagt accacaagca 480
tggaagcat tctctctctt cctcctctc ttccagcagt gattctgact gaatacaggc 540
cctggaccct tccctcaagt ctaccagtt ctgctctccc atcaagcttc agatgccatg 600
ttgtactggg ggaatgtagc ccttgtgtc cccacccct acctccacct gagcctcacc 660
ctgctgttga gccctgagtg gctaggggaa atgggaagag gattgccatg gcctggccat 720
cttgttctg cttggttaga tcatatagct aatgaattag gcaggggagc tattttttga 780
agatgatgaa ctaaatgttg aagacaagtt tgagatctgt aaaatgtgat tttttacttc 840
cacttataat acttgtgatt ggggaggttt gtggaaattc aattatgatg aaaaacctat 900
cttttttgta atgttggcat acttggggaa tttagtggca aatacattcc ccagcaggcc 960
ttttgttggg tgcactaact gcaaggttgc tgggaagtag agtccatttg gttgatgagc 1020
tttgactgcg gttttggaac cttacctctc ctcttagcc caatatgctg tcttgggtcc 1080
tattcaaata aagttatttc tcttggtnnc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140

```

1011

accnnggggg gggcccg

1158

&lt;210&gt; 1620

&lt;211&gt; 2260

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1620

```

acagcaaagtg caaagaccca gaggcattgca agggaaagga gataaagtag gcctgggctg 60
cagcgaaaga ggagagtgat gggaggcagc aggggtggaa gcctcagttt ccacctctat 120
aaagtgggaa taaaaaagct accaacttaa aacaaatggt gagaattcat caagatctag 180
cctgtaaagc atttgtgctt ggcattgaga aagtgtcgtt aaatgttagc atcattccct 240
tttattttatt tattttttca agacagagtt tcaccatatt ggtcaggcta ttctcgaact 300
cctgacctca agtgcaccgc ctgcctcagc ctcccaaagt gctgggatta caaagcatga 360
gccaccgcac ctggccgagg tactttcttt ctaacaccaa acccagaagg acattgctgc 420
agttccaggc agcactggtg cagagcaggc tttccttata tggggcagag agaagggcac 480
agcctgctcc taatagggaa aggttgagct gatctgagca tgcccagttt atgctctcca 540
gactctccaa gcacatgagt cttggcatct ccccgagcac agcaagtaac aggcaggagg 600
agtgttaagc ctgwrctcc atcttcaggg aagaaaacat cccaactaga gaagaaggga 660
caccttcccc tctaacaaa tgaatgagcg ggcaagttag taaatgaatg agtgattctg 720
attggggggg tgcagggatg tcccttcaact caccctcttg tccacagttg caggggctct 780
cattgctgac ttcttgtctg gcctggtaca ctgggggtgct gacacatggg gctctgtgga 840
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agctatcaca cggcacgact tcacagagac caacggggac aactgcctgg tgacactgct 960
gccgctgcta aacatggcct acaagttccg caccacagc cctgaagccc tggagcagct 1020
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ccacaagtgg tcgcacagct actttgggtt gccacgctgg gtcaccctcc tgcaggactg 1140
gcatgtcatc ctgccacgta aacaccatcg catccaccac gtctcaccac acgagacctt 1200
cttctgcatc accacaggct ggctcaacta cctctctggg aagataggct tctggcgacg 1260
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ggtgcttctt tgtttaatgt aaataataga aagccttaat atcttttctg taacacggag 2160
taatatttta atgtcatgtt ttggatgtac ataatatatt tataacaaag cagcaagagt 2220
ctacttaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcga 2260

```

&lt;210&gt; 1621

&lt;211&gt; 1077

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1012

<220>  
 <221> misc feature  
 <222> (1014)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1028)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1029)  
 <223> n equals a,t,g, or c

<400> 1621  
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 acgggagcct ttagactgga cccacttac ctgaagcaca gccatcagga ttcagggctt 120  
 atcactgact accggcattg gcagatacca ctgggcagaa gatttcgctc ttgaaaatg 180  
 tggtttgtat ttaggatgta tggagtcaaa ggactgcagg cttatatccg caagcatgtc 240  
 cagctgtccm atragtttga gtcactgggt cgccagggat ccccgcttg aaatctgtgt 300  
 ggaagtcatt ctggggcttg tctgctttcg gctaaagggt tccaacaaag tgaatggagc 360  
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 caagtttgct ctgcgctttg ccatctgttc tcgcacgggt gaatctgccc atgtgcagcg 480  
 ggcttgggaa cacatcaaag agctggcggc cgacgtgctg cgagcagaga gggagtagga 540  
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 ctccaaagtt atccagaggg ttgtgatttt gtctgcttag tatctcatca acaaagaaat 720  
 attatttgct aattaaaaag ttaatcttca tggccatagc ttttattcat tagctgtgat 780  
 ttttgttgat taaaacatta tagattttca tgttcttgca gtcacagaa gtggtaggaa 840  
 agcctcactg atatatatttc cagggcaatc aatgttcacg caacttgaaa ttatatctgt 900  
 ggtcttcaaa ttgtcttttg tcatgtgggt aaatgcctaa taaacaattc aagtgaaaaa 960  
 aaaaaaaaaa agggccggcc gctctagaag gatcccaact tacgtacgcc tgcnttgcca 1020  
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<210> 1622  
 <211> 2377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2355)  
 <223> n equals a,t,g, or c

1013

<220>  
 <221> misc feature  
 <222> (2376)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2377)  
 <223> n equals a,t,g, or c

<400> 1622

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agatgaattc	cgtggttgct	ctcgatcttg	caatttccaa	ggagacggat	gctttccaac	120
cccacaagca	gacccggctg	tatggcatca	ccacggccct	gtctcagtgt	ccgcaaggcc	180
ataactactg	ctcagtgaac	aatggcggct	gcacccacct	atgcttggcc	accccaggga	240
gcaggacctg	ccgttgccct	gacaacacct	tgggagttga	ctgtatcgaa	cagaaatgaa	300
gacaagagtg	ccttattttcc	tttccaagta	tttcacagca	acactctact	tgaagcaact	360
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aaaaaaaaaa	aaaanaaaaa	aaaaaaaaaa	aaaaaann			2377

1014

&lt;210&gt; 1623

&lt;211&gt; 1258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1623

```
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```

&lt;210&gt; 1624

&lt;211&gt; 2469

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1624

```
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## 1015

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```

&lt;210&gt; 1625

&lt;211&gt; 1281

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1224)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1625

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## 1016

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&lt;210&gt; 1626

&lt;211&gt; 1355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1626

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1355

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&lt;210&gt; 1627

&lt;211&gt; 1188

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1017

<221> misc feature  
<222> (1167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1178)  
<223> n equals a,t,g, or c

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<210> 1628  
<211> 1389  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

1018

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1628

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aaaaaaaaa 1389

```

&lt;210&gt; 1629

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1629

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aaaaaaaaa aaaaaaaaaa a 621

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&lt;210&gt; 1630

&lt;211&gt; 1158

1019

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (888)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (948)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1053)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1156)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1630

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&lt;210&gt; 1631

&lt;211&gt; 679

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1631

## 1020

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&lt;210&gt; 1632

&lt;211&gt; 4601

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1632

```

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```

1021

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&lt;210&gt; 1633

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1022

&lt;400&gt; 1633

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gaggggtgtg gctctg                                     376

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&lt;210&gt; 1634

&lt;211&gt; 3643

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3563)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3581)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3599)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3628)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1634

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1023

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&lt;211&gt; 4051

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1024

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<223> n equals a,t,g, or c

<220>  
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<222> (32)  
<223> n equals a,t,g, or c

<220>  
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<222> (2234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2278)  
<223> n equals a,t,g, or c

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1025

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cgggccccgc tcccaccaac ctggctcgcc agcctccatc caggaacaag ccctacatct 2460
cgtggccctc atcaggtgga tcggagccta gcgtgactgt gcctctgaga agtatgtctg 2520
atccagacca ggactttgac aaagagcctg attcggactc caccaaacac tcaactccat 2580
cgaatagctc caaccccagc ggccccaccg gccccaaactc cccccacagg agccagctcc 2640
ccctcgaagg cctggagcag ccggcctgtg acacctgaag ccgccagctc gccacagggg 2700
ccagggagct ggagatggcc tccagcgtca gtgccaagac tgagcggggc ctccagtgtt 2760
gtccaaggaa atgtagaatc actttgtaga tatggagatg aagaagacaa atctttatta 2820
taatattgat cagttttatg ccgcattgtt cgtggcagta gaccacatct gttcgtctgc 2880
acagctgtga ggcgatgtg ttccatctgc acatgaagga cccccataca gcctgtctcc 2940
cacccttgac aacccgagag ggcataatggg gccctgccaa caccacttcc tcagcagaaa 3000
cccgtcatga cgcggctgtc tcggaagcag acatctgggg acacagcctc agtaccagct 3060
cttttcccta gttcctgaaa ctttcctagg accttaagag aatagtagga ggtcctatag 3120
cattcccagt gtcactagaa ttttgaagac aggaaagtgg aggttagtct gtggcctttt 3180
tttcatttag ccattgcaca gtcagctgca gaagtcctgc tgaccaccta gtcattggaca 3240
aaggcccagg accagtgaca ccctgcgtcc ctgtgtgcrb taagttcatt ctgggtcgca 3300
gccatgaagt gtcaccagta tctactactg tgaagtcagc tgtgctgttt tccattcgct 3360
tccacggctt ctgcctcctg ccataaaacc agcgagtgtc gtggtgcagg caggccctgt 3420
ggcctgctgg gctgagggaa gtcagagccc cagggcgcca cgaagcagcc actgggatac 3480
cccacccgc cccgccctgc ccgccccccc cccccaccag tcctgcccc gcattggagcc 3540
ccgtgatta gtagcccgta tgatcacgta gaccaccca acacactcct gcacactggc 3600
ccggccccac ggcacagcaa tcccctgcgc gtggatttca cctcaccctt tgtaccagat 3660
gttgagtgac cagctctgtg gccctgtgtc gtcagaggct tgtgattaac tgtggcgga 3720
gacacagctt gtccacagct tgggccaggc ttcccctgtc cteccaccgg tcggctgctt 3780
ggcaaggctg ttcaggagct gcacttcccc aagtcggcac tgagtggccc agcaccgct 3840
agccctgcca cccactgcc ctccctgggc ttctgtgga tgggcacctg gggggttctg 3900
gtttttactt ttttaatgta agtctcagtc tttgtaatta attattgaat tgtgagaaca 3960
tttttgaaca atttacctgt caataaagca gaagacggca gttttaaagt taaaaaaaaa 4020
aaaaaaaaaa aaaaaaaaaa taaaaaaaaa a 4051

```

&lt;210&gt; 1636

&lt;211&gt; 1242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1210)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1636

```

ttgaaaaacg ggtcgactgg cccgtccgcc cggagccagc gggtctccaa gcaccagca 60

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1026

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tcctgctaga cgcgccgcgc accgacggag gggacatggg cagagcaatg gtggccaggc 120
tcgggctggg gctgctgctg ctggcactgc tcctacccac gcagatttat tccagtgaag 180
caacaactgg aacttcaagt aactcctccc agagtacttc caactctggg ttggcccaa 240
atccaactaa tgccaccacc aaggyggctg gtgggtgccct gcagtcaaca gccagtctct 300
tcgtggtctc actctctctt ctgcatctct actcttaaga gactcaggcc aagaaacgtc 360
ttctaaatct ccccatcttc taaacccaat ccaaattggcg tctggaagtc caatgtggca 420
aggaaaaaca ggtcttcctc gaatctacta attccacacc ttttattgac acagaaaatg 480
ttgagaatcc caaatttgat tgatttgaag aacatgtgag aggtttgact agatgatgga 540
tgccaatatt aaatctgctg gagtttcatg tacaagatga aggagaggca acatccaaaa 600
tagttaagac atgatttctt tgaatgtggc ttgagaaata tggacactta atactacctt 660
gaaaaataaga atagaaataa aggatgggat tgtggaatgg agattcagtt ttcatttggg 720
tcattaattc tataaggcca taaaacaggt aatataaaaa gcttccatga ttctatttat 780
atgtacatga gaaggaactt ccagggtgta ctgtaattcc tcaacgtatt gtttcgacag 840
cactaattta atgccgatat actctagatg aagttttaca ttgttgagct attgctgttc 900
tcttgggaac tgaactcact ttcctcctga ggctttggat ttgacattgc atttgacctt 960
ttatgtagta attgacatgt gccagggcaa tgatgaatga gaatctaccc ccagatccaa 1020
gcactctgag caactcttga ttatccatat tgagtcaaat ggtaggcatt tcctatcacc 1080
tgtttccatt caacaagagc actacattca tttagctaaa cggattccaa agagtagaat 1140
tgcattgacc acgactaatt tcaaaaatgct ttttattatt attatttttt agacagtctc 1200
actttgtckn ccaggccgga gtgcagtggg tgcggttctc ag 1242

```

&lt;210&gt; 1637

&lt;211&gt; 2124

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1637

```

caacctgtag gtgcccacca agcccatgac gacnctgctg gccagggtcc tagccctatt 60
caggcaggag ctgctcttct ggggtatcgc gatccactta aggatgaggc agacttggtg 120
acaagctggg ctgagcagcg ctccagagc cagaactgag cccagtgaga ggcgacctg 180
gggcagcctg gattcctggg gtgtccccgg cagccacaca cagccatgca ctacccaact 240
gcactcctct tcctcatcct ggccaatggg gccaggcct ttcgcatctg cgcttcaat 300
gcccagcggc tgacactggc caaggtggcc agggagcagg tgatggacac cttagtctcg 360
atactggctc gctgtgacat catggtgctg caggaggtgg tggactcttc cggcagcgcc 420
atcccgctcc tgcttcgaga actcaatcga tttgatggct ctggggcccta cagcacctg 480
agcagccccc agctggggcg cagcacctac atggagacgt atgtgtactt ctatcggtca 540
cacaaaacac aggtcctgag ttctacgtg tacaacgatg aggatgacgt ctttgcccg 600
gagccatttg tggcccagtt ctctttgccc agcaatgtcc ttcccagcct ggtgttggtc 660
ccgctgcaca ccaactcctaa ggccgtagag aaggagctga acgcccctta cgatgtgttt 720
ctggaggtct cccagcactg gcagagcaag gacgtgatcc tgcttgggga cttcaatgct 780
gactgcgctt cactgaccaa aaagcgctg gacaagctgg agctgcggac tgagccaggc 840
ttccactggg tgattgcccga tggggaggac accacagtgc gggccagcac ccactgcacc 900
tatgaccgcg tcgtgtgca cggggagcgc tgccggagtc tgctgcacac tgcggctgcc 960
tttgacttcc ccacgagctt ccagctcacc gaggaggagg ccctcaacat cagtgaccac 1020
taccctgtgg aggtggagct gaagctgagc caggcgaca gcgtccagcc tctcagcctc 1080
actgttctgt tgetgctatc actcctgtcc cctcagctgt gccctgctgc ctgagcgtec 1140

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1027

```

ccctaccccc ccagggcctg ctgccttttg ggacttaaac cccagcctcc cccgtccatc 1200
cagccctggg gctggggggc ttcaactata gttgccctgt gactgtagtc caccctgcc 1260
tgccttgttt gatttggtct ttgttctttg gttgggcttg tgcctagatt aggagaggaa 1320
gccagggggc ctgcactcat gccacctgcc aggtagtgtg gtatcaggag tggagacaaa 1380
gtgggctctg gggtggggta ggggaaggga gggttcagaa agaggaatga agatgttgta 1440
tgacaagaag gaaagttact gagaacaaaa acccagattg gtgagatagg acacttggtc 1500
agcagatatg ccaatgggcc atgtttattg tggattggta agaatcacca ggaaaccatt 1560
aagccccaat agctacaagg aggggtggta atctgctata tcaaactcct tccctgaaac 1620
cagcaaacac cgggaaacat tttggctcat tataatccgg tgaacaatgc agtcaggcct 1680
gttataaccg ctgagcagcc acactcgcac ctctgggtg ctgtagtctg tgttggtaca 1740
ggcttctgca tgcctggtaa agtccagcca aggtgtgtca aggcaacatc tccacacaga 1800
aaatctgcac cagttatgta agctaaaaag ctgtgtgaac ccagggtgtc cggaaagggg 1860
ctgcaggaca cagcaaatg ccagcagcat gccggacccc tcccttccat cctcctctcc 1920
aaagaagaga ggtcaggaaa aacactggct gggacgctag aagggtcatg tgttaactat 1980
aatcacattt atggtttgga accatcaccc caaggtaaaa aaaaaataaa aggtattccc 2040
aggtatgttt ggcaaaataa aataaaggta attaaaaacc taaaaaaaaa aaaaaaaaaa 2100
aaaaaaaaaa agtcgtatcg atgt 2124

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&lt;210&gt; 1638

&lt;211&gt; 1435

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1426)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1638

```

gtgattctcc tgcctcagcc tcccaagtag ctgggaaaaac aggctgtgc caccacaccg 60
gagtagtttt tgtattttta gtagagatgg ggtttcacca tgctggccag gctgggtctt 120
aactcctgac ctgaggatgat ctgtgtgccc cagcctccca aagcgctggg attacagggt 180
tgagccactg agcccagcca tttaggaagt attataaagg cccttaaagt ttgtaaggaa 240
atgaaagggc tttgtattac cttttcaata ggcaacaatg tactttttct ttccttagac 300
tttggcttac tggaagattt aattaaaagg tagaggagaa gtaaatattg tgtaataatt 360
ttgctgtaaa taaaacaaag agtttatttt attagataaa gaatgtgaag taagcatgaa 420
gagacaggct ttgggagaaa taccagaaag ggatttttca aagatggcat tgtttaatct 480
ccgtgtggcc ctcggttggt caatcacaga tgagccagaa gagggccagc cccctacttg 540
tttgggctcc gaaactctta ccaaacatca atttttatc ttgggataga aaaatagtat 600
gtgctatctc taatacgcta cttcgatatt tattaaagaa gtatttttaa tgtagtgtcc 660
acaggctcat ttcattgaaa acaactgact atgatgatag acagctcctg attggcaaaa 720
gttcgatggt atattcagaa ttaaatattt cctgcracc taaacactga caacatttag 780
cttaaagggt ttccatggag aagagtggta agagctgtag ttagcaaaat tggcatcctc 840
tttaggggtg caattctgtg ctgctttgca aattgttgaa acttttgatt ttctgtttgg 900
caatgctagt cagtgttcac ttcttacaga ttagccaaga atttttatct aaatgcagaa 960
acttattaat gaaatccatt taaactaaca caacattttg ggaggccctg ctggtaaaaat 1020

```

1028

tatatatgga tgcagaagta ttgcaagagt ccattttcca tttttaaatc tgcaatatct 1080  
gattacattg atgaattccg ttgtattgta tgtgtgaata taaatatctg aattctcccc 1140  
ggggacttgg ttttcgtcca aggatgttgg cagtggacac ttagtttacc tcaggaattg 1200  
caatcatgta agactatatt cggaaaaaat gctggagtat ataattttgg atactgatat 1260  
aaaatcatca agatggaagt taagcagaat tgtcacgtgt agtccatagc gcttttatat 1320  
gcattattct gtaatttgtt tgtactgctg caacttttta tactttcaat gtatcattta 1380  
ataaaaaaaaa taagcaagtc aaaaaaaaaa aaaaaaaang ggggggccgt tttaa 1435

&lt;210&gt; 1639

&lt;211&gt; 1631

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1084)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1612)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1613)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1639

atcaatttgg aggaggttgg taccatctgt ttggggttct ttaaatacaag tactaatctc 60  
tctgaatttg tcatgcggaa aattggagac ttggcttgtg ctaacattca gcactctgagt 120  
agtcgctcct tagtgaatat tgtaaataatg ttccgtttca ctcacgtgga tcacatcaat 180  
ttcatgaagc agattggaga gatagctcct cagcgaattc cttccctggg agttcaagg 240  
gtcatgcacc tgactcttta ctgctcgccc ttacgcttcc tgaatgaagg agtaatgaat 300  
gcagtggctg cgtctttgcc tcctagagtgc gcacactgtc gaagtaaaga tgttgccaag 360  
attctgtggt catttggaac tctgaattat aagccaccca atgcagaaga attttactcc 420  
agcctgataa gtgagattca cagaaagatg cctgaattca accagtacc agaacacctg 480  
cccacctgcc tgctgggcct ggcatttttg gactactttc cagtagagtt aattgatttc 540  
gctctcagtc cagggtttgt cagggttagct caggagagaa ctaagtttga cctccttaag 600  
gaactatata ccctcgatgg tacagttggc attgagtgtc cagattacag aggcaatcgt 660  
cttagtactc accttcagca agaggggtct gaattgctgt ggtatttagc agagaaggat 720  
atgaattcaa agcctgaatt cttagaaact gtctttttac tggagaccat gctggggggg 780  
ccccagtacg tcaagcacca tatgattttg cctcataccc gatcttctga cttagaggtc 840  
cagcttgatg ttaacctgaa gccattacca ttaatatagag aagccacgcc ggctgaaaat 900  
gtagccaaat taaggcttga gcatgtggga gtcagcctta cagatgattt gatgaataag 960  
ttactaaaag ggaaagcaag aggacatttc caggggcaaaa ctgagtcaga gcctgggcag 1020  
cagccatgga gttggagaat aaggcagctg tacctctggg gggcttcctt tgcaatgtag 1080  
cagntaaatc aggggccatg gagatggytg gcctktgccc cgcagcctgc atgcagaccc 1140  
caagaatgaa gctggctgtt cagttcacia acaggaacca gtattgctat ggctccaggg 1200  
atctccttgg actgcacaat atgaagaggc ggcagctggc tcggcttggc taccgtgtgg 1260  
tagagttatc ctactgggaa tggctccac tactgaaacg aactcgctta gaaaagttgg 1320

1029

```

cgtttcttca tgagaaagta ttcacctctg ctctctgaag ggcatttagg ggcatttcta 1380
tggcaaagct atagggtgat actgtaccag gtgttgcaaa atgattataa aagccagaat 1440
gtaagtttgg cgataaaata gtgtgttgag gagacttaat tgtatccaag gcagggttaga 1500
gctagtgtat gttactgtga attgtaatgt agttggattg tacaaattac tgcaaatgta 1560
tacatgttac tcttagtaaa taataaacat cttaatatgt cctacggtca annaaaaaaa 1620
aaaaaaaaa a 1631

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&lt;210&gt; 1640

&lt;211&gt; 853

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1640

```

gaataaaccc aacctacaga gcatcatagc ttagcctagc ctgctttaa tgtgctcaga 60
aaacttccat tagcctgcaa ttaggcaaaa tcatcaaaaca taaaaccatc aaacataaaa 120
tatttataaa gtgttgaaata tctcatatag tttattgaat acctgcatcc aaaagatgct 180
ggcaacacag cacacttttag agcattgggt gtttactctc ttgatgggtat ggctgcccag 240
catcaagagt tatcatactg caaatcgata gcccaggaaa agagcaaaaat tcaaagttca 300
aagtagagtt tttactgaat gcttgctttt gcaccgtcgt aaagttgaaa agaatttaaa 360
ttgaaccatc ataagctgca gactgtgcat tttatattga aaagttaata tttttaattt 420
ttaatgcaga gaagtaccca aagcataaga acacaacaca ttttcacaaa gcaaacacag 480
ccatggaacc agcaccata tcaactaaca aaatactagt ttgggctttt ttgtacttta 540
tacaaatgga ctcatataat gtccatcttt tgggtctgcc tgctttcatt caatattagg 600
tttgtgggtt catctctgct gtgtgtagtt ctttctctgt ctttatacag tgttccaaag 660
tatagtatat tacagtttac ccattctact cttgatagta aatgttttca catttgggct 720
attacaaata gtgctgcagt gaacattcac atacacatct tttggtgaac atgtgttaca 780
tttccaagta caattgctgg gtgatgagta tgcatactct taaaacatgg ttgtaccaat 840
ttacacctct acg 853

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&lt;210&gt; 1641

&lt;211&gt; 688

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1641

```

gggcagatgc gtggaagcac tgtcttggtg atctggggta agatccaaga gaattccctg 60
cattaccagg cagagactct tttcccttct tcttgccctc ctgcaaaaca atggagtctc 120
tctccatact grgctccctg gatcctgggg caggggtgac acaagagccc atatggccac 180
caccactggg actgcactgg atcagacctc aagccagggc aacactgggt cttgcctaag 240
gccacacagt accactgcct ggctattgct gatgttcacc caaggcccag gggctkttca 300
gtcagcagtt ggtgaaccca gccagaccca tgtccttccc ttcaaggcaa taagcttttc 360
tccctgctgg cccaagtggg ttcccttctg gccctgggtg tgtctggaaa tgtcatctgg 420
gagctagggc ctggatgagt gcatcagggc tctgcctggc accctatcct actgtggctg 480
agctgggtgta caagttgcaa gacagtcttc tttactcctc ctctcctct cctgtagcag 540
aaagaaggaa tctctcccaa agctgcgagc tgtactgctt ggggttgggg gaggggtggc 600
acaagcactc ccttagccac cctggctggt gtctcactaa tttgtgtgca cccaagtcc 660
actggctcca agggcagcgc agcaccat 688

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&lt;210&gt; 1642

&lt;211&gt; 1916

&lt;212&gt; DNA

1030

&lt;213&gt; Homo sapiens

&lt;400&gt; 1642

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gcgcccgcgt cgtgcgtgcc gctcggcgga ggggaacgggc ctgcgttctc tcctccttcc 60
tccccgcctc cagctgccgg caggaccttt ctctcgctgc cgctgggacc cegtgtcatc 120
gcccaggccg agcacgatgc cccctaaaaa gggaggtgat ggaattaaac ccccccaat 180
cattggaaga tttggaacct cactgaaaat tggattgtt ggattgcaa atgttgggaa 240
atctactttc ttcaatgtgt taaccaatag tcaggcttca gcagaaaact tcccgttctg 300
cactattgat cctaattgaga gcagagtacc tgtgccagat gaaaggtttg actttctttg 360
tcaataccac aaaccagcaa gcaaaattcc tgcctttcta aatgtggtgg atattgctgg 420
ccttgtgaaa ggagctcaca atgggcaggg cctggggaat gcttttttat ctcatattag 480
tgctgtgat ggcattcttc atctaacacg tgcttttgaa gatgatgata tcacgcacgt 540
tgaaggaagt gtagatccta ttcgagatat agaaataata catgaagagc ttcagcttaa 600
agatgaggaa atgattgggc ccattataga taaactagaa aagggtggctg tgagaggagg 660
agataaaaaa ctaaaacctg aatatgatat aatgtgcaa gtaaaatcct gggttataga 720
tcaaaagaaa cctgttcgct tctatcatga ttggaatgac aaagagattg aagtgttgaa 780
taaacactta tttttgactt caaaaccaat ggtctacttg gttaatcttt ctgaaaaaga 840
ctacattaga aagaaaaaca aatggttgat aaaaattaaa gagtgggtgg acaagtatga 900
cccaggtgct ttggtcattc ctttttagtg ggccttgga ctcaagttgc aagaattgag 960
tgctgaggag agacagaagt atctggaagc gaacatgaca caaagtgctt tgccaaagat 1020
cattaaggct gggtttgcag cactccaact agaatacttt ttcactgcag gccagatga 1080
agtgcgtgca tggaccatca ggaaagggac taaggctcct caggctgcag gaaagattca 1140
cacagatttt gaaaagggat tcattatggc tgaagtaatg aaatacgaag attttaaaga 1200
ggaaggttct gaaaatgcag tcaaggctgc tggaaagtac agacaacaag gcagaaatta 1260
tattgttgaa gatggagata ttatcttctt caaatttaac acacctcaac aaccgaagaa 1320
gaaataaaat ttagtatttg ctcaagataa catacaactt ccaaaaggca tctgattttt 1380
aaaaaattaa aatttctgaa aaccaatgcy acaaataaag ttggggagat gggaatcttt 1440
gacaaacaaa ttatttttat ttgttttaaa attaaaatac tgtgtacccc ccccmcycc 1500
atgaaatgca ggttcactaa atgtgaacag ctttgctttt cactgtatta agaccctact 1560
ccaaattgta gaagcttttc aggaaccata ttactctcat gatacttcat taatctccat 1620
cctgatgcc aagcctgaca catttgacag tgaggacaat gtggcttgct cttttttgaa 1680
tctacagata atgcatgttt tacagtactc cagatgtcta cactcaataa aacatttgac 1740
aaaacaaaaa aaaaaaaaaa aaaagtacta gtaacgggtc ttgttccatc tcgagggggg 1800
gcccgttacc aggtaagtgt acccaattcg ccctatagtg agtcgtatta caattcactc 1860
gatcgccctt cccaacagtt gcgcaacctg aatggcgaat ggagatccaa ttttta 1916

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&lt;210&gt; 1643

&lt;211&gt; 1344

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1343)

&lt;223&gt; n equals a,t,g, or c



## 1031

&lt;400&gt; 1643

```
ggcagagcac atgcgcaccg cagcgggtcg cgcgccctaa ggagtggcac tttttaaaag 60
tgcagccgga gaccagccta cagccgcctg catctgtatc cagcgccagg tcccgccagt 120
cccagctgcg cgcgccccc agtcccgcac ccgttcggcc caggctaagt tagccctcac 180
catgccggtc aaaggaggca ccaagtgcac caaatacctg ctgttcggat ttaacttcat 240
cttctggctt gccgggattg ctgtccttgc cattggacta tggctccgat tgcactctca 300
gaccaagagc atcttcgagc aagaaactaa taataataat tccagcttct acacaggagt 360
ctatatcttg atcggagccg gcgcccctcat gatgctggtg ggcttccttg gctgctgcgg 420
ggctgtgcag gagtcccagt gcatgctggg actgttcttc ggcttcctct tggatgatatt 480
cgccattgaa atagctgcgg ccattctggg atattcccac aaggatgagg tgattaagga 540
agtccaggag ttttacaagg acacctacaa caagctgaaa accaaggatg agccccagcg 600
ggaaacgctg aaagccatcc actatgcgtt gaactgctgt ggtttggctg ggggcgtgga 660
acagtttatc tcagacatct gcccgaagaa ggacgtactc gaaaccttca ccgtgaagtc 720
ctgtcctgat gccatcaaag aggtcttcga caataaatc cacaatcatg gcgcagtggg 780
catcggcatt gccgtgggtc tgatatttgg catgatcttc agtatgatct tgtgctgtgc 840
tatccgcagg aaccgcgaga tggcttagag tcagcttaca tccctgagca ggaaagttaa 900
cccatgaaga ttgggtgggat tttttgtttg tttgttttgt tttgttttgt gtttgttgtt 960
tgtttttttg ccactaatat tagtattcat tctgcattgc tagataaaaag ctgaagttac 1020
tttatgtttg tcttttaatt cttcattcaa tattgacatt tgtagttgag cgggggggtt 1080
ggttttgctt ggtttatatt ttttcagttg tttgtttttg cttgtttatat taagcagaaa 1140
tcctgcaatg aaaggtacta tatttgctag actctagaca agatattgta cataaaagaa 1200
tttttttgtc tttaaataga taaaaatgct tatcaacttt aatcaagttg taacttatat 1260
tgaagacaat ttgatacata ataaaaaatt atgacaatga aaaaaaaaaa aaaaaaaagg 1320
gcggccgccc cagaggancc ccng 1344
```

&lt;210&gt; 1644

&lt;211&gt; 1109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1075)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1077)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1644

```
ttgttgacca gctaccctga gccaggcacc accctgaagg agcttctttt cctctgggga 60
gaagcaaatt catgatgtgt gtgctggaga tctggcactc atggccagtg ctttccagta 120
tcttgaactc ttcgggggtc ctgttgacct atttcgtgac ctacctccgt gactgctctt 180
tttcctctgt ctcttaagtg tgatggtttt ccagagtcca atcctcagga ctttcccgtc 240
cacacacagg cctggtagtc aggtggctct aaaccattag gtgggttgta gacctctctc 300
aagctgccac ctcttgctg tcgccagatc gtatttcagt ctgtcagggg ttatctgtat 360
ctggagggtc cactgttgct tcagtctcag ttacttagaa tggaaccagg agtcctgccc 420
ctttccacct acatgctctt acttgaaagc acctgagact tattgggtcc ctgattcctg 480
cttcgtctgt atccgcagag tagttgcatg tcatttggcc tgttttctaa ataatcccac 540
atcatgtcct ccctgcactt acattgccac tgctctgatt tgggcttttt tttttttggg 600
```

1032

```

acaatgcctc tgtcccaatt ctgagtaaca gctctgggtc ttgccactac cagagttctc 660
tagcaaactc gagcatctga cagggtgaaa aattctgaat ggcttcctga tgcctgactt 720
tatgggatca aattcaagtt gcacgtgca ctgagtgccc ttctggatc atctgccaag 780
accagggcct gcttcaccac agccacaata aagtcctttc aagccctgaw aatgccatgt 840
tttgtcctaa ccttttgctg cagttaatta ctcttctat tatcttccat gaacttaaga 900
ctggggcaaaa atgtttcctt atctgtgagc cactctgaac acaaacaggt catgaagata 960
gtgttgaaaa caataaatga caaccaaaag gaaaagtggg atattaccta gttacaaata 1020
gtgtaaattg agacmgaaat gttaaagcta gaaagcaagg ggcaatattt ctagnantac 1080
aaattagtgg cttggcctac tacaatatt 1109

```

&lt;210&gt; 1645

&lt;211&gt; 2173

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2170)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1645

```

acagagattt gatttctaatt gctatgaatt ggaccagttg gctgacatgc cacaagaaac 60
ttcatattaa gaaacctgct aatatttttag ttatgggtga aggtcctgag cgaggaagag 120
taaaaattgc tgacatgggc tttgccgatt atttaattca cctttgaagc ctttagcaga 180
tttggatcca gtggttgta cattctggta ccgagccct gaactacttc ttggagcaag 240
gcattatacc aaagctattg atatttgggc tatagggtgt atatttgcag aactactaac 300
gtcagaacca wtatttctact gtcgacaaga ggacatcaaa actagtaatc cttatcacca 360
tgaccagctg gacagaatat tcaatgtaat gggatttctt gcagataaag attgggaaga 420
tataaaaaag atgcctgaac attcaacatt aatgaaagat ttcagaagaa atacgtatac 480
caactgcagc cttatcaagt atatggaaaa acataaagtt aaaccagata gtaaagcatt 540
ccacttgctt cagaagctgc ttaccatgga cccaataaag cgaattacct cagaacaggc 600
tatgcaggac ccctatttct tagaagacct acttctaca tcagacgttt ttgccgggtg 660
tcaaatecct taccacaaac gagaattttt aacggaagaa gaacctgatg acaaaggaga 720
caaaaagaac cagcagcagc agcagggcaa taaccacact aatggaactg gccaccagc 780
gratcaagac agcagtcaca cacagggacc cccgttgaag aaagtgcagc ttgttcctcc 840
taccactacc tcaggtggac ttatcatgac ctgactatc cagcgttcca atccacatgc 900
tgcctatccc aaccctggac caagcacatc acagccgcag agcagcatgg gatactcagc 960
tacctcccag cagcctccac agtactcaca tcagacacat cggtagtgag ctgcatcgga 1020
atcttgacca tgcactgttg cgaatgctgc agggctgact gtgcagctct ctgcgggaac 1080
ctggtatggg ccatgagaat gtactgtaca accacatctt caaaatgtcc agtagccaag 1140
ttccaccact tttcacagat tggggtagtg gcttccaagt tgtacctatt ttggagttag 1200
acttgaagaag aaagtgcctg cacagtttgt gttgtggatt tgctacttcc atagtttact 1260
tgacatgggt cagactgacc aatgcatttt tttcagtgac agtctgtagc agttgaagct 1320
gtgaatgtgc taggggcaag catttgcctt tgtatgtggt gaattttttc agtgtaacaa 1380
cattatctga ccaatagtac acacacagac acaaagttta actggtactt gaaacataca 1440
gtatatgtta acgaaataac caagactcga aatgagatta ttttggtaca ctttctttt 1500
tagtgtctta tcagtggtgt gattcatttt ctacattaat cagtgttttc tgaccaagaa 1560
tattgtcttg atttttttga aagtacaaaa agccacatag tttttccaga aaggtttcaa 1620
aactcccaaa gattaacttc caacttataa gtttgttttt attttcaatc tatgacttga 1680
ctggtattaa agctgctatt tgatagtaat taaatatgtt gtcattgata taaacctgtt 1740
tggttcagca aacaaactaa aatgattgtc atagacagtg ttttattttt cctgttggtg 1800

```

## 1033

```

ttgctgattt gtgagcatgc ttttaagatga aaaaagcatg aatgataact tccttaaaaa 1860
ggtgcggcat ccaattcaaa tattttcgtc ctgatttttaa agctggttgg tgtagtgcta 1920
ttaaattttc gttcagttaa ttttcctttt gaaaacttgt tcgcacgttg tttaggggtgc 1980
ccttacttca gcaaaggaga aggagtagga gagccttaga atttttgagg aaaaaaaaaac 2040
ctataacata caatgtactg tatcaaacta ttttacatga atgacacaag tattctgaat 2100
aaaaataat tgaacattgt taaaaacaag gtgttatgta ataaatttat ttttcataaa 2160
tcaaaaaaan aaa 2173

```

&lt;210&gt; 1646

&lt;211&gt; 1394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1646

```

ggcggcgctct tccgggggcct ggcggggccgg ggaccgaggg ggcgggggagg tgacccggcg 60
ggggcgaggc cagcggggcgg gcgcggcgcg ggaggcgacc atgcgcggcg cggggggcgat 120
cctgcggccg gcggcgcggtg gtgcccggga cctgaacccg cggcgggaca tctcctctctg 180
gctggcccag tgggtcccta gaacccagc cagggtccgtg gtggccctga agaccccat 240
caagggtggag ctggtggcag ggaaaacctt cagggtggtgt gtgtgtggcc gcagcaagaa 300
gcagcccttc tgtgacggct cccacttctt ccaacgcact ggcctatctc cactcaagtt 360
caaggcccaa gagacccgca tgggtggcact ctgtacctgc aaggccactc agaggccccc 420
gtactgcgat ggcaccacaca ggagtggcgc cgtgcagaag gcagaagtgg gctccccact 480
ctgagggggc tgcctgctgtc cagccacagg tggccttggc tccaggcctc tgacaggcac 540
ccccttctgt gggaaaggaa acagggtgctg agcccaagag actctggtac ccactgctgg 600
ctcatgaagg aagaattatt ccttataacc taaaagtctc cagtctgggg caggcgggag 660
tgggcccttg ttcaatgttt gctgatgggg aagatggcaa aaacaagcct gcccaaccag 720
actggtagtc ctgcagtcac tgctatgagg cccatgtgct gcctcctgct ccagatttta 780
acctctctgt gggctggggg cacctgacca gccacaggag agggcagttc agattcattc 840
tgtatggggc cccaagcca ggctaaaccc agagatgaga ggcacccttc ccttcttccc 900
tccaccccaa agaactacag gctccagaaa gtatgcagca tttattacaa agccaagaga 960
tacagatgtc ccagggcaaa ggagggtaca gtcacaggac ctacagacaca ggacaagggtg 1020
caaacacaga caagcccatc agggggctcc caacccaca cacctacgct atgatggaat 1080
ctcgagtctc gactcccgac tcctctcaga tctatgcaca cttgaggaaa tctcggtggg 1140
cagcgacctg ccagggtctg tccctaagga ggtggtccgc tgacctctca aggggtgggg 1200
gtggggtcag agcttacagg tttctgtctt cttgtgcttt tagatgcagt tgctctgtcc 1260
tgaccagggt accgggcctc agactcggac gccccgctgg tgttggtgcc tcggaggggt 1320
gggcacgtgg ctaggggtgag cgcttgaggc tggctggaca ggtacttgag ggggagaggc 1380
cgttccgccc cagg 1394

```

&lt;210&gt; 1647

&lt;211&gt; 725

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1647

```

tacaggccng gtccattaac cagccaggga atgaacmtca gcagacagty tcccmccctg 60

```

1034

```

aatttattgc cctctagtgc gcacttcagg ccttccacct acaaaaaatc ttcaggcccc 120
ctcaaagcta mcaaactcat catccactgg aactgttggg aagacagctt gagtggaatt 180
gcaatgaatg tacctgccag cagaggtagc aaccttaact caagcggagc taataggact 240
agtctgtctg ggggaacagg aagtggaaca cagggtgcta ccaaaccatt gtctactcca 300
catagaccat ccactgcctc aggggtcttca gtggtaacag ccagtgtgca gaagctcatt 360
cacacagaag acccatttaa tgatgaacat caggagaggc aagagggtgga aatgttggct 420
aagaagtttg aaatgaaata ttatgatgaa ttagttcccg cttctctaac aacaaaatat 480
ggaggctttt atatcaacac tggcactcta cagtttcgcc aagcttcaga tactgaagaa 540
gatgatatta cagacaacca aaagcacaag ccaccaagg tccccaaaat aaaagaagat 600
gatattgaga tgaagaagcg gaagcggaaa gaggaagggg aaaaggagaa gaagccaagg 660
aaaaaagttc ccaaacaact gggagttgtg gctctaaatt cacacaagtc tgaaaaaaaa 720
aaaaa                                           725

```

&lt;210&gt; 1648

&lt;211&gt; 1593

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (697)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1032)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1078)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1648

```

ggctggatcg cgttgtcccc cctggcgcgc ccgcagcgcc tgccgggtggc cactcgcgcg 60
gtgctcatca ccgggctgtg actctggttt tggcaaggag acggccaaga aactggactc 120
catgggcttc acgggtgctg ccaccgtatt ggagttgaac agccccggtg ccatcgagct 180
gcgtacctgc tgctccccct gcctaaggct gctgcagatg gacctgacca aaccaggaga 240
cattagccgc gtgctagagt tcaccaaggc ccacaccacc agcacgggcc tgtggggcct 300
cgtcaacaac gcaggccaca atgaagtagt tgctgatgcg gagctgtctc cagtggccac 360
tttccgtagc tgcattggagg tgaatttctt tggcgcgctc gagctgacca agggcctcct 420
gcccctgctg cgcagctcaa ggggcgcgat cgtgactgtg gggagcccag cgggggacat 480
gccatatccg tgcttggggg cctatggaac ctccaaagcg gccgtggcgc tactcatgga 540
cacattcagc tgtgaactcc ttccctgggg ggtcaaggte agcatcatcc agcctggctg 600
cttcaagaca gagtcagtga gaaacgtggg tcagtgggaa aagcgcaagc aattgctgct 660
ggccaacctg cctcaagagc tgctgcaggc ctacggnaag gactacatcg agcacttgca 720
tgggcagttc ctgcaactgc tacgcctggc catgtccgac ctcaccccag ttgtagatgc 780
catcacagat gcgctgctgg cagctcggcc ccgcgcgcgc tattaccccg gccagggcct 840
ggggctcatg tacttcatcc actactacct gcctgaaggc ctgcggggccg cttcctgcag 900
gccttcttca tcagtcactg tctgcctcga gcaactgcag ctggccagcc tggcactacc 960
ccaccacagg acgcagccca ggacccaaac ctgagccccg gcccttcccc agcagtggct 1020

```

## 1035

```

cgggtgagcat gntgcaccta tggcccagcc actgcagcac aggaggctcc gtgagcctt 1080
ggttcctccc cgaaaacccc cagcattacg atcccccaag tgccttgga cctggcctaa 1140
agaatcccac ccccaattca tgcccactgc cgatgcccaa tccaggcccc gtgaggccaa 1200
ggtttcccag tgagcctctg cgcctctcca ctgtttcatg agcccaaaca ccctcctggc 1260
acaacgctct accctgcagc ttggagaact ccgctggatg gggagtctca tgcaagactt 1320
cactgcagcc ttccacagga ctctgcagat agtgcctctg caaactaagg agtgactagg 1380
tgggttgggg accccctcag gattgtttct cggcaccagt gcctcagtgc tgcaattgag 1440
ggctaaatcc caagtgtctc ttgactggct caagaattag ggccccaact acacaccccc 1500
aagccacagg gaagcatgta ctgtacttcc caattgccac attttaaata aagacaaatt 1560
tttatttctt ctaaaaaaaa aaaaaaaaaa aag                                     1593

```

&lt;210&gt; 1649

&lt;211&gt; 572

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (228)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (553)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1649

```

aaagaactgt gtgagaacac tgaaaactca aaaagtcaga atgccttctt tctccaaat 60
gactgtatca actctccagc aagtgttcan aactgggctg aggctgagat gtctggaatg 120
atacaagcag ggttcaggat atgcgtagga acaaagttca ctgagtgaat gaagtatgtt 180
gtcatgcaat acaagtgagc taaaaatcat tgtaaaacat tgcagganct aacagacaaa 240
atancaagta taaagaagac ataaccgacc tratagagct gaaaagcaca ctasaagaat 300
tttcataatg cartcacatg gtgattatgt gtgactggat tatgaaaatt attgtagtgt 360
gtgtgggcac ccgagattgc cctgtaagca ggacgcctgc acattacctc tccatactgc 420
agccctttat atggaaaactt cctacatcac tttgctgtgt gtgtttacac atgtnggggt 480
ttgctgtact tgccctgaca gcacaccggg agtgcaggcc acaccccaac ccacaccaac 540

```

1036

tgccacttga aanacaaaac cttgggtggg gc

572

&lt;210&gt; 1650

&lt;211&gt; 405

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (303)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (353)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (384)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1650

```

gcactagcgc tatcacattc tctccgggat ttccccccct gctctgtggc ttcttgttga 60
gaggttgttt gggttatggtt tagcngttga aaagattcag gttatccttt taaatgactt 120
tacgttttag tggagctggg agattacttg cctggcttct aatcttcacg ttgggttcatt 180
ttatttccat atgtgtgtgg gttatttgtt cagtaattag aattagataa agtattctgc 240
ttttaagtag ttttgagaag gcctaaaaat actaaagtgt attcataaat atttttatta 300
tgntcaagta gaagacacac ctttgccatg taaattttaa cttttcttca agncttcagt 360
gaatctacag acctattttc tcangagctc aacctggcct tactt 405

```

&lt;210&gt; 1651

&lt;211&gt; 995

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (919)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (987)

&lt;223&gt; n equals a,t,g, or c

## 1037

&lt;400&gt; 1651

```
gcaaaaccaa caaaacaacc aaatacacggt ctcaagcgat ttacagctcg gtgcttaact 60
cgggtcaccgg ccgaggggca gccctctggc gccaaagccc cgcctctcta tgacgtcaca 120
cgaggagccc tgaagtggcg gtcaagcttg aggcgtcatc tggctgcgct aagtgggccg 180
ttgccttaca gttgctgaga ggagggcgaga ggcgggggcg ctagggccga gatcatgtct 240
gactgggaga ggtttccttg gcagcagagg acgctagggt tgggatgaaa gaagctgggc 300
agatgcaaaa tctggagagc gcgagggccg ggcggtcagt cagcaccag actggcagca 360
tgaccggtga gtgtccggga ccctgctccc gccaccctac ctttcgctct gccctgtgcg 420
tctcccgtca ttgaactcca gattccttgt ctgagcctct ttgcctcccc tgctgctttt 480
ggatgtctcc tgcccgcctt ctgctgtgct cctccgcggg cgccaggacc aatcggctcg 540
gtcgcactgg cttttgaagt ctcgcttttt acccctgtta gctacttctc acaggacctt 600
gagctggggc ctctgagggt aaagagcctg aacattttcca aacggcgctt ttgccttgat 660
ttccaaatta accgcacgtg acgcttttct gtatttcgac tgctttaccg tcgaagggtca 720
gataccaagg cttttctaaag tcaacctttt cactctgctc agcctctgga tggagctctt 780
tccagcagaa gcccgagcgg aaaaatctca gaaaaatgaa gagggaaagc atggaccctt 840
aggagataat gaagagagga ccagagtatc tactgacaaa agacagaaaa ccatgtttctg 900
cttggttgaa aatgattgna aatgcaaagc cttaacagta atgatcagat ctatgtctag 960
gtcagtgctt tgagctataa atggcanaac ttcta 995
```

&lt;210&gt; 1652

&lt;211&gt; 636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1652

```
gcgagcgcgt gggaaataat tgcattaaaa tacaaaaggt gatagggaag aattaaaaga 60
tttgagctat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggt 120
ttatatgatc ttcaattgag tattaataaa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttagcaacag attctcagag taaattgtta 300
acttctatga tttatgataa tcaagctgga cttgatcata caagttagtc tcataatgta 360
ttggacccaa atgtaaaact cattggctcag atttagaagc attcatgctc acaagttttg 420
ggaaagtga aaataataaa atcatcttgg attttattct gtatattaaa atttatcttt 480
taaggaaaca atctgtatac tacttgcttg tatagccttt tgacccttct tgagtttttc 540
agaagccttt aatttttata ctttcaatac catatttaca ttatatactt taattaacaa 600
tgtgagtttc tctgtgaaaa aaaaaaaaaa aaaaaa 636
```

&lt;210&gt; 1653

&lt;211&gt; 1255

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1251)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1653

```
ggcagagcag gaggagcacg ggaaaagaaa gaagaaagggc aaggggctag ggaagaagag 60
ggacccatgt cttcggaaat acaaggactt ctgcatccat ggagaatgca aatatgtgaa 120
ggagctccgg gctccctcct gcctctgcca cccgggttac catggagaga ggtgtcatgg 180
```

1038

```

gctgagcctc ccagtggaaa atcgcttata tacctatgac cacacaacca tcctggccgt 240
gggtggctgtg gtgctggatt tgatgagtta actgtgaaat accacaagcc tgagaactga 300
atcttgaggac ttctaccag atggaaaaat aacaactatt tttgttggtg ttgtttgtaa 360
atgcctctta aattatataat ttattttatt ctatgtatgt taattttatt agtttttaac 420
aatctaacaa taatattttca agtgcctaga ctgttacttt ggcaatttcc tggccctcca 480
ctcctcatcc ccacaatctg gcttagtgcc acccaccttt gccacaaagc taggatgggt 540
ctgtgacca tctgtagtaa tttattgtct gtctacattt ctgcagatct tccgtgggtca 600
gagtgccact gcgggagctc tgtatgggtc ggatgtaggg gtttaacttgg tcagagccac 660
tctatgagtt ggacttcagt cttgcctagg cgattttgtc taccatttgt gttttgaaag 720
cccaagggtgc tgatgtcaaa gtgtaacaga tatcagtgct tccccgtgct ctctccctgc 780
caagtctcag aagagggttg gcttccatgc ctgtagcttt cctggtcctt ccccccatg 840
gccccaggcc cacagcgtgg gaactcactt tcccttgtgt caagacattt ctctaactcc 900
tgccattctt ctgggtgctac tccatgcagg ggtcagtgca gcagaggaca gtctggagaa 960
ggtattagca aagcaaaagg ctgagaagga acagggaaca ttggagctga ctgttcttgg 1020
taactgatta cctgccaaat gctaccgaga aggttggagg tggggaaggc tttgtataat 1080
cccacccacc tcacaaaac gatgaagkta tgctgtcatg gtcctttctg gaagtttctg 1140
gtgccatttc tgaactgtta caacttgtat ttccaaacct ggttcatatt tatactttgc 1200
aatccaaata aagataaccc ttattccata aaaaaaaaaa aaaaaaaat ntctc 1255

```

&lt;210&gt; 1654

&lt;211&gt; 518

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (198)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (458)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (471)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1654

```

ggaatctcct actatagtga aagctgggtac ncctgcaggt accggtccgg aattcccggg 60

```



1039

```

tcgacccacg cgtccgcccc cgcgctccggg actccttgaa ccctggactt caaagggggg 120
agagattgct gcagccccgc attataaaca cttgggttta gaagccacag aataccattt 180
cctgcatatt ctattggnc aagcaggtgg agaaccagct ctgaccaaga gggtagggga 240
tcaaaccctt accctcttgat gggagaggca tcacacacac acacatgcac acatacatat 300
rcatatatac attaatgact tggcatttat agtgcttgat aaattagagt tctattaata 360
gaatgtttgg actagggcta caggataaac tgttgccctc acttaagaga atcaggaaat 420
ggactttggg agtcctgctt ggcattantt tgtggcangg ttgcagatgc nctgtattta 480
cacttaagaa gtcttcgaac atttcctctt ttgacatt 518

```

&lt;210&gt; 1655

&lt;211&gt; 793

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1655

```

gcttgaaact ccagaatgtt cccaccatgg gtggccaagc cacatcacag ggaagaaacc 60
ttcaatgtgc tttctgtgca gcacactcct ctcttctgtg atctgaacac gaaccaccac 120
ctctaggcta ggactcagat gcagtgaact ccactatacc cacagtcaca tacggacagt 180
aacttctctt cccgaatcct gtctggatcc aagtgtccct gggccagagt ctccctaaga 240
gacagccctg agtccaagcc cctgagaagc tcagggccat gcaaagcagg aggcctgggt 300
gtggaagggg tatgggtagg gcctgagaat ggactgaggg gcagacagtt cagggaaggg 360
aagatcactg gggtagagag gtgacctgra gggaggtcag cgtgggcagg ggtgagacca 420
aggaaaagat tgaagaacag aaggcattgg ccttacagct tcaaaaccag agattgcagg 480
agcgggaaca ttcagtacat gattcagtag aactacatct tcgtgtacct cttgaaaagg 540
agattcctgt tactgttgtc caagaaacac aaaaaaaagg tcataaatta actgatagt 600
aagatgaatt tcttgaaatt acagaggaaa tggagaaaga aataaagaat gtatttcgta 660
atgggaatca ggatgaagtt ctcagtgaag catttcgcct gaccattaca cgcaaagata 720
ttcaaactct aaaccatctg aattggctca atgatgagat catcaatttc tacatgaata 780
tgctgatggg agc 793

```

&lt;210&gt; 1656

&lt;211&gt; 1062

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1656

```

gggcacgagt ttctgtcttc ctctctggct cctccttctt cccaccctt ctaataggct 60
cataagtggg ctcaggcctc tctgcggggc tcaactctgc cttcaccatg gctttcattg 120
ccaagtcctt ctatgacctc agtgccatca gcctggatgg ggagaaggta gatttcaata 180
cgttccgggg cagggccgtg ctgattgaga atgtggcttc gctctgagge acaaccaccc 240
gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcttg gtggtccttg 300
gcttcccttg caaccaattt ggacatcagg agaactgtca gaatgaggag atcctgaaca 360
gtctcaagta tgtccgtcct gggggtggat accagcccac cttcaccctt gtccaaaaat 420
gtgaggtgaa tgggcagaac gagcatcctg tcttcgccta cctgaaggac aagctccctt 480
acccttatga tgacctattt tccctcatga ccgatcccaa gctcatcatt tggagccctg 540
tgcgccgctc agatgtggcc tggaaacttg agaagttcct catagggccg gagggagagc 600
ccttccgacg ctacagccgc accttcccaa ccatcaacat tgagcctgac atcaagcgcc 660
tccttaaagt tgccatatag atgtgaactg ctcaacacac agatctccta ctccatccag 720
tcctgaggag ccttaggatg cagcatgcct tcaggagaca ctgctggacc tcagcattcc 780
cttgatatca gtcccttca ctgcagagcc ttgcctttcc cctctgcttg tttccttttc 840
ctctcccaac cctctgggtg gtgattcaac ttgggctcca agacttgggt aagctctggg 900

```

1040

```

ccttcacaga atgatggcac cttcctaaac cctcatgggt ggtgtctgag aggcgtgaag 960
ggcctggagc cactctgcta gaagagacca ataaagggca ggtgtggaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1062

```

&lt;210&gt; 1657

&lt;211&gt; 612

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (583)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1657

```

ggcttcgtaa gatttaacat atcagaactg gggaaagaga aaggaggggg ttattttttt 60
gcagcatttt ccagtcacat atcaggggta tactgaactg caacaaagat caacttttaa 120
aaattagcct tcttaaaata caaaatgatt taagtatttt aaagataatt tatttgcctt 180
gctcttgcct tctaacatta gccatttcat ggagaggcta aaacttatac tccaaaaaat 240
gtggaagcac attttaatgg gagtaaaatt aaaaaatttt gagaaagggt aaaatcttat 300
gaatatgcat cttcttagct ttatcttccc tttagatagg aggcaattat gctcttccat 360
ctgctccatg tcaaataagg ctcagggaag ccagtcattt ccttagcgag atgattactc 420
ctttgccttg aaacatttat tggggcccac catgtatgga tcagtgtgtg gtartgartc 480
atactcccaa atcartgatt cccaartctt ggctttgggr accmgtatgc cttgtattct 540
cttaaaaagc aacaataatt tcttgaaaca aaattagttc aanaattgga attaaaaaat 600
atttccagtt gt 612

```

&lt;210&gt; 1658

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (486)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1658

```

catcttaggt gacactatag aagggtacgc tgcaggtagc ggtccggaat tcccgggtcg 60
acccacgcgt ccgnccacgg tccggctttc agcaattgat ggtgctttgt tgtgggtgtc 120
gctggaagtc tactgccatt atagggaacc ttgcttggtta gcttctctag atctctattc 180
taaacaaatct gttagtgatg ataaattctg taggaggggc tattctgagc cgtaacttc 240
ctgtaagggg aaaatgggtg ggttaccaga aataccattg aagcaggggtg ggctgtgggg 300
tggaagggtg ggggtatttg cttgagaatt aaaaactacg aaacactttt gtacacaact 360
gattttttta aaaataaaca cattttttaa gatgttgaat ttttcccccc ttattgggaa 420
ttcttaaaaa taaatgcatg catgttttcc cctgaaaaaa aaaaaaaaaa aaaaaaaaaa 480

```

## 1041

aaaaangaaa aaaaaaaaaa aaaaaaaaaa aagggggggc g

521

<210> 1659

<211> 887

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 1659

```
ctcaaaaaaa aaaaaaaaaa ttaaaaactt ccttttantic gcagagctgg aaaagttgga 60
gttggtttttg gtatacttgg agagctggct ttctaaagtg ctgctttgag gactgttgtg 120
taaagcactt gattcgctctt ccctttgctg gagttatggg cctgggcttt tacactgggg 180
ttctgaagta acaaacaag tcagtcacaga aatagttgct cagcaatctc attgttacag 240
tgtcgcaaaa tgagctcata ttagctttat tttctgctac caatagagtg ttcctaagta 300
tttaaagtgt gtgactcctt tcttatagag ccagcaagct gtattggaat cacttttcca 360
gtgttgtaaa tgttatTTTT gtgggtcagt cagtatactc gtgaatgaca gaaaaacaga 420
tcccaacaat gcaaagtatt atatgtgtaa aaaagaacag aaaaaagaag ctgccttggt 480
agtaacgggc tctatgggtt ttctcatcaa gaggtcatga cgccagtcag atcacactag 540
ccttggsccac agctgcctcc taccacaggg cctgccaggc tctcggggcc atgctgtcca 600
aaggagccct gaaccctgct gacatcacccg tctgttcaa gatgttcaca agcatggacc 660
ctcctccggt tgaacttgaa gttgcttctc aagaatcccc aatgtcagct ggtaagggtga 720
ctttggaaag tctgtgcttg tctgattgtc tgaaggctgt gaatgcaaat ccattcattgt 780
cctggtcctt cctcagtcac actctctgcc tggagcctgt tgggccccctg ctgtgtaggg 840
ataccctgag gggaggtggg tgagcagtcg cctcacgcct gccatcc 887
```

<210> 1660

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1660

```
gattgtgtct ccagccccctc aggtcgaaga cactgccttc ccctacacc tccccagggg 60
tgccgggttac cagcactggg aggccaggcc atgctcacgc ttcatggagg acacagcagc 120
agagaagcts acaaggttgt aaactccatc ctggcattcc gggagaagga atggcagagg 180
ctgcagtcac acccccacct gaaagagggg tccgtgacct ccgtgaacct gactaagcta 240
gaggggtggcg tggcctataa cgtgatacct gccaccatga gcgccagytt tgacttccgt 300
gtggcaccgg atgtggactt caaggctttt gaggagcagc tgcagagctg gtgccaggca 360
gctggcgagg gggtcaccct agagtgtgct cagaagtgga tgcacccccca agtgacacct 420
actgatgact caaaccttg gtgggcagct tttagccggg tctgcaagga tatgaacctc 480
actctggagc ctgagatcat gcctgctgcc actgacaacc gctatatccg cgcgggtggg 540
gtcccagctc taggcttctc acccatgaac cgcacacctg tgctgctgca cgaccacgat 600
gaacggctgc atgaggctgt gttcctccgt ggggtggaca tatatacacg cctgctgcct 660
gcccttgcca gtgtgcctgc cctgcccagt gacagctgag ccctggaact cctaaacctt 720
tgccccctggg gcttccatcc caaccagtgc caaggacctc ctcttcccc ttccaaataa 780
taaagtctat ggacagggct gtctctgaag tactaacaca agggaaaaaa aaaaaaaaaa 840
aaaaaa 847
```

1042

<210> 1661  
<211> 508  
<212> DNA  
<213> Homo sapiens

<400> 1661  
tttctcttcc ccaggtgcct cacccttcct tcatgggctt tctgcccgcc tttgggtacc 60  
cctagcgggc ccgaggctca ccctggtttg gagccaggga tgctagtgtc cccggggccc 120  
agcgcagcgc tgatgggaag ggacttttct ccgtggggaa ccaggaccc acttctcyga 180  
ggtagacttt ttttttttct gccgcagtgc ctcacctctc ctccctcaa gctcaccttc 240  
ccctcatgag ccctctgtcc gcctagaggt accgctagcg gcccaggca caccctgtgg 300  
ctgaaccagg gactccaggg tccctgcggc ccagcacagg cgctgatggg aagacacgtt 360  
cgttcgtgga ggacccaggc cccgtttctc agtggcgtgg ttttttttct ctgcccgggt 420  
gcctcacctt cctctaattg gccttttgcc cgctttgggg tacccttagc gggccctatt 480  
cgcacctgc gctcgaacca gggtcgca 508

<210> 1662  
<211> 544  
<212> DNA  
<213> Homo sapiens

<400> 1662  
gcccagcata gagaggatgg ctgcccaccc tcagctcccc tccttgcttc ctcgagtgtt 60  
ctgactccgc actagccgcg ccctgtagga agaatagggt gtccacctct ccycggtgct 120  
cgcttagtca ctccagttga agacgggacg cgtgcccgat ctcaagagag ccccgaccc 180  
gtccgtgggg aaccacatcg acgcttcttc tcagctcca gtctccagtt ccaaggatgg 240  
gtcatctcca accmcttgcc ctgcctcagt ttctccatct ccctgctgca gcccaggga 300  
actgggcacc ctcgagccgt gcatggcccg cgtgcgtcc gaggtcccgg ccgggtcgcg 360  
ccgcagcttt cctcaagtat gcgcggcccc agcgcagggt gaccagcctt gccgcgcct 420  
tgctgcccgc cgctccagt ctgagctcc ctgagtactg ggactcagtc aaaaaaaaaat 480  
caacaacaaa aaacaaaacc ctcccagtggt gtgtccgtct ctcatctcaa taaaagaatt 540  
tatt 544

<210> 1663  
<211> 444  
<212> DNA  
<213> Homo sapiens

<400> 1663  
ggtcggacat gcaaaaagga gttaacaagg aaagatacta tcatggcaca tgtgactgaa 60  
tttcataatg gacacagata tttttatgag atggatgagg tagaagggtga aactttgcc 120  
tcatcctcta caacattgga taatttgact gctaacaagc ctcatcagc tattactgtt 180  
attgatcatt cccgggcaaa tagttctccg aggggtaaaat ggcaatgccg gattttgtgaa 240  
gatatgtttg attcccagga atatgtaaaa cagcactgca tgtctttggc aagccacaag 300  
tttcatagat acagctgtgc tactgcaga aagccttttc ataagataga aacattgtac 360  
cgacattgcc aagatgagca tgacaatgag ataaagatta aatacttctg tgggctttgt 420  
gatcttatct ttaatgtgga agaa 444

<210> 1664  
<211> 1279  
<212> DNA

1043

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1273)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1664

```

tcccgggtcg acccagcgct ccgcgggacgc gtgggatcaa caaactcatc cgaattggca 60
ggaatgagtg tgtggttgct attaggggtgg acaaagaaaa aggatatatt gatttgtcaa 120
aaagaagagt ttctccagag gaagcaatca aatgtgaaga caaattcaca aaatccaaaa 180
ctgtttatag cattcttcgt catgttgctg aggtgttaga atacaccaag gatgagcagc 240
tggaagcct attccagagg actgcctggg tctttgatga caagtacaag agacctggat 300
atggtgccta tgatgcattt aagcatgcag tctcagaccc atctattttg gatagtttag 360
atttgaatga agatgaacgg gaagtactca ttaataatat taataggcgc ttgaccccac 420
aggctgtcaa aattcgagca gatattgaag tggcttggtt tggttatgaa ggcattgatg 480
ctgtaaaaga agccctaaga gcaggtttga attgttctac agaaaacatg cccattaaga 540
ttaatctaata agctcctcct cggtatgtaa tgactacgac aaccctggag agaacagaag 600
gcctttctgt cctcagtcaa gctatggctg ttatcaaaga gaagattgag gaaaagaggg 660
gtgtgttcaa tgttcaaata gagcccaaag tggtcacaga tacagatgag actgaacttg 720
cgaggcagat ggagaggcctt gaaagagaaa atgccgaagt ggatggagat gatgatgcag 780
aagaaatgga agccaaagct gaagattaac tttgtgggaa acagagtcca atttaaggaa 840
cacagagcag cgcttccttg ctgtaaatcc tagacttgaa agttttccag tattgaaaac 900
ttcaaagctg aatattttttt atttctaagt atttaaatgt tctaacagat cagaacatga 960
aatgccctcc taaatgtcag ctgttggtcac acagtagctc caacactttg agcattttta 1020
agggagtggc ctcatctcac tagagacaaa tctttaagaa tagttctaaa attgggcttg 1080
tgatttccat ttctgatgtc tccagattgg cacccttttc tagttcaatg cctcacgaga 1140
tttgccaggg gcatccaagg caaacaatcc caatctttct atataaaatg tattcaagca 1200
aacatcaaata aaatttcttg gatattttaa aaaaaaaaaa aaaaaggggg gggccttaa 1260
gaaccaagtt tantttggg                                     1279

```

&lt;210&gt; 1665

&lt;211&gt; 2509

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1665

```

cggctcaggt gctggcggtc ccgcgggacgc cgctctgct gcgggycggg ggagccagac 60
gaggtgctgc cgggtaggaa aaaatccagg gctcattcat accccaggtc acgattccgg 120
ggtcgcccc agcacttctc cgccgggtgc atcaacctga aaaagcccck tcttcctgga 180
aaccctcctt ctccagcggt tcaacgggga aactgatcag ctgacaccag cccagtcct 240
gcgagggggc ggcgaccttt gacctttctc caaargggac cacctggctt catgtgtgga 300
tttccacggc tcttgcccag aggggggtac actgtgttcc aatgtgccac ggaactcacg 360
cagtggcact ttgtggcttc atgaagggaag aggcaggcca cgcaacactt cctcccaaag 420
ccaaggagaa gtatcacttt tagaggcaga ggagcggaag gcagtgggtg tgaccaaag 480
tgccatttgt taaagactgt tggagcagaa ctactgagaa aaaccaggca ttgtatcttc 540
agttgtcatc aagttcgcaa tcagattgga aaagctcaac ttgaagcttt cttgcctgca 600
gtgaagcaga gagatagata ttattcacgt aataaaaaaac atgggcttca acctgacttt 660
ccacctttcc tacaaattcc gattactgtt gctgttgact ttgtgcctga cagtgggttg 720
gtgggccacc agtaactact tcgtgggtgc cattcaagag attcctaaag caaaggagtt 780
catggctaata ttccataaga ccctcatttt ggggaaggga aaaactctga ctaatgaagc 840

```

1044

```

atccacgaag aaggtagaac ttgacaactg cctttctgtg tctccttacc tcagaggcca 900
gagcaagctc attttcaaac cagatctcac tttggaagag gtacaggcag aaaatcccaa 960
agtgtccaga ggccggtatc gccctcagga atgtaaagct ttacagaggg tcgccatcct 1020
cgttccccac cggaacagag agaaacacct gatgtacctg ctggaacatc tgcattccctt 1080
cctgcagagg cagcagctgg attatggcat ctacgtcatc caccaggctg aaggtaaaaa 1140
gtttaatcga gccaaactct tgaatgtggg ctatctagaa gccctcaagg aagaaaattg 1200
ggactgcttt atattccacg atgtgacctg gtacccgaga atgactttaa cctttacaag 1260
tgtgaggagc atcccaagca tctggtggtt ggcaggaaca gcaactgggtg cagggtacgt 1320
tacagtggat attttggggg tgttactgcc ctaagcagag agcagttttt caagggtgaat 1380
ggattctcta acaactactg gggatgggga ggcgaagacg atgacctcag actcagggtt 1440
gagctccaaa gaatgaaaat ttcccggccc ctgcctgaag tgggtaaata tacaatgggtc 1500
ttccacacta gagacaaagg caatgagggtg aacgcagaac ggatgaagct cttacaccaa 1560
gtgtcacgag tctggagaac agatgggttg agtagttgtt cttataaatt agtatctgtg 1620
gaacacaatc ctttatatat caacatcaca gtggatttct ggtttggtgc atgacctggg 1680
atcttttggg gatgtttgga agaactgatt ctttgtttgc aataattttg gcctagagac 1740
ttcaaatagt agcacacatt aagaacctgt tacagctcat tgttgagctg aatttttctt 1800
ttttgtattt tcttagcaga gctcctgggtg atgtagagta taaaacagtt gtaacaagac 1860
agctttctta gtcattttga tcatgagggt taaatattgt aatatggata cttgaaggac 1920
tttatataaa aggatgactc aaaggataaa atgaacgcta tttgaggact ctggttgaag 1980
gagatttatt taaatttgaa gtaatatatt atgggataaa aggccacagg aaataagact 2040
gctgaatgtc tgagagaacc agagttgttc tcgtccaagg tagaaaggta cgaagataca 2100
atactgttat tcatttatcc tgtacaatca tctgtgaagt ggtggtgtca ggtgagaagg 2160
cgtccacaaa agagggggaga aaaggcgacg aatcaggaca cagtgaactt gggaatgaag 2220
aggtagcagg aggggtggagt gtcggctgca aaggcagcag tagctgagct ggttgagst 2280
gctgatagcc ttcaggggag gacctgcccc ggtatgcctt ccagtgatgc ccaccagaga 2340
atacattctc tattagtttt taaagagttt ttgtaaaatg attttgtaca agtaggatat 2400
gaattagcag tttaacaagtt tacatattaa ctaataataa atatgtctat caaatacctc 2460
tgtagtaaaa tgtgaaaaag caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2509

```

&lt;210&gt; 1666

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1666

```

gtgagtgtgg ctgcgggcct tgcgtcacgg accccatggg agctgtgagt gggtcagact 60
tccctgggtc aggagacaga cagcggacgg atcccaggct gggcagctgg agggaggkrc 120
ccggggcgct gggcagccgg gctctacaca gtcagcagct ccggggccgc agggccggcg 180
gggtccacaca ggctggccgg gctgggcctc cttggagcct gctacgccct cgtgggcacg 240
tggagaaggg cccactgtct ccacacgcca gccacagggg agccctggcc aggcgcccag 300
ccaggggagc gtgtgcctgg gatgggtcac agaaccagcg ggcacctgtg aggctggcca 360
gcaccgtggg gctgtgggaa tcgctcttat ttatatTTwa acmccttgra ttttcaaaaa 420
a

```

&lt;210&gt; 1667

&lt;211&gt; 525

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1045

&lt;222&gt; (205)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (421)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (502)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1667

```

gggacatcta cagccactgt gtaaatagaa ctgcctaatag ttgagagtgg ttttagcat 60
taggttttagc aaggggggaga tccgtgggtt gtgcgtcagc tttgggtgaa ttttgtttct 120
accctgtcac ggggaaagtt cgggttgagt ccaggagtgc aactgctgc tgccacccaa 180
tgcgctacat atcacttttt tttgntttgt tttgttttgt ttttaaaga tcattttatc 240
ttaaaaagga aagctgatcc aagtaaacac gaaagtattt gacacacccc acagatttta 300
catgtgtgta aatgtttcac tttaaaatct ctatgacaga tacacaggaa acatgagatg 360
gtttctgcta atgagtggcc cttgagtaca cacttagatg ctgtctgccc tgtaaatttg 420
natctggtgc cccanggcac tcaactcttc tagcacaggc tgaaaacacg tgtgtgtcaa 480
ctgaggttca caccacttg gngaattgagc ctgnttttct tccca 525

```

&lt;210&gt; 1668

&lt;211&gt; 1349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1668

```

tcccggtcna cccacgcgtc cggcggcgcc gcgcgaaggt tcagcagggg gccgtgggcc 60
gggcgcgcgc gttcccggca cgtgtctcgg cagtggtgag cgcgcctggc cctgggcttg 120
gaggcgccgg cgccttgat ccgccggccg tggtcgccga gtcggtgtcg tccttgacca 180
tcgccgacgc gttcattgca gccggcgaga gctcagctcc gaccccgccg cgcgcgcgc 240
ttcccaggag gttcatctgc tccttccttg actgcagcgc caattacagc aaagcctgga 300
agcttgacgc gcacctgtgc aagcacacgg gggagagacc atttgtttgt gactatgaag 360

```

## 1046

```
ggtgtggcaa ggccttcâtc agggactacc atctgagccg ccacattctg actcacacag 420
gagaaaagcc gtttgtttgt gcagccaatg gctgtgatca aaaattcaac acaaaatcaa 480
acttgaagaa acatttttgaa cgcaaacatg aaaatcaaca aaaacaatat atatgcagtt 540
ttgaagactg taagaagacc tttaagaaac atcagcagct gaaaatccat cagtgccagc 600
ataccaatga acctctatct aagtgtaccc aggaaggatg tgggaaacac tttgcatcac 660
ccagcaagct gaaacgacat gccaaggccc acgagggcta tgtatgtcaa aaaggatggt 720
cctttgtggc aaaaacatgg acggaacttc tgaaacatgt gagagaaacc cataaagagg 780
aaatactatg tgaagtatgc cggaaaacat ttaaacgcaa agattacctt aagcaacaca 840
tgaaaactca tgccccagaa agggatgtat gtcgctgtcc aagagaaggc tgtggaagaa 900
cctatacaac tgtgtttaat ctccaaagcc atatcctctc ctcccatgag gaaagccgcc 960
cttttgtgtg tgaacatgct ggctgtggca aaacatttgc aatgaaacaa agtctcacta 1020
ggcatgctgt tgtacatgat cctgacaaga agaaaatgaa gctcaaagtc aaaaaatctc 1080
gtgaaaaacg gagtttggcc tctcatctca gtggatatat ccctcccaa aggaaacaag 1140
ggcaaggctt atctttgtgt caaaacggag agtcacccaa ctgtgtggaa gacaagatgc 1200
tctcgacagt tgcagtactt acccttggct aagaactgca ctgctttgtt taaaggactg 1260
cagaccaagg agcgagcttt ctctcagagc atgcttttct ttattaaaat tactgatgca 1320
gaacatttra aaaaaaaaaa aaaaaaaaaa 1349
```

&lt;210&gt; 1669

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (393)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (459)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (478)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (484)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1669

```
gcgttctgca ggtgggcgtc gcgccgactt accaacaacc gggtcggggg ctcccggaag 60
tgctcttgcg gcttactgcc tggcacagct gtcattcttc tctacagaag agcttctcct 120
catcaactgg ggatgattac agttcttcct aaaaaaggat ggctgctctt tttctaaaga 180
ggttaacact acaaactgta aagtctgaaa atagttgcat tagatgtttt ggtaaacaca 240
tcctgcaaaa gacagcacca gcacagttgt cccctattgc ttctgccccca agactctcct 300
tcctaattca tgcaaaagcc tttagtaccg ctgaagacac ccagaatgaa ggaaaaaaga 360
caaaaaagaw taaaacagct tttagtaacg ttnggaagaa aaattagtca gcgagttatt 420
```



1047

tcacttatttt grtgagragg gcaatggttt tggggaacng gcaccggggc aatgtggntt 480  
gganttt 486

&lt;210&gt; 1670

&lt;211&gt; 1957

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1670

tattaacata atattgagac gtaatacgtc gaacagtgga ggagcggaag cttaagctag 60  
aatggagaa acaagaattt gaacaactga gacaggaaat gggmgaggaa gaggaagaaa 120  
atgaaacctt tggattgagc agagaatatg aagaactgat caaattaaaa aggagtggct 180  
ctattcaagc taaaaaccta aaaagcaagt ttgaaaaaat tggacagttg tctgaaaaag 240  
aaatacagwa awaaatagaa gaagagcgag caagaaggag agcaattgac cttgaaatta 300  
aagagcgaga agctgaaaaat tttcatgagg aagatgatgt tgatgttagg cctgcaagaa 360  
aaagcgaggc tccattttact cacaaagtga atatgaaagc tagatttgaa caaatggcta 420  
aggcaagaga agaagaagaa caaagaagaa ttgaagaaca aaagttacta cgcattgcagt 480  
ttgaacaaag ggaaattgat gcagcactac aaaagaaaag agaagaggag gaggaggaag 540  
aaggtagcat catgaatggc tccactgctg aagatgaaga gcaaaccaga tcaggagctc 600  
catggttcaa gaagcctctt aaaaacacat cagttgtaga cagtgaacca gtcagattta 660  
cgggttaaagt aacaggagaa cccaaaccag aaattacatg gtgggttgaa ggagaaatac 720  
tgcaggatgg agaagactat caatatattg aaaggggaga aacttactgc ctttacttac 780  
cagaaacttt cccagaagat ggaggagagt atatgtgtaa agcagtcaac aataaaggat 840  
ctgcagctag tacctgtatt cttaccattg aaagtaagaa ttaatcactc tttttatctt 900  
ttattctatt aatttttttt tctttaaact cacttttctt cttctctttt ttagctgatg 960  
actactagct cccctccctt ctccctggaa ctttctcttt cactccaact ttcttactac 1020  
atccatcttt tctgtggcgg ggccaaaaaa ggaaaccagg agtgccacta tgetgacttc 1080  
ttattccttt tcataacagt cttcaaagca cagctcatct aaagaatgcc tacttctttt 1140  
ccaaataagc atcagattta tcgcctatta tgcagtaaca gtcaataaaa tgtacttatg 1200  
ggggggaatt actcaattat tctatcagaa cctattataa agactgtatt tcccatagac 1260  
gtttacagca actatgttta aaaaacaaaa acaaaaaaaa aacacacaaa cctaagtaga 1320  
atacattatt ttgcatgaag gaatgtcatt tctgagcttt ttacacctaa aattaggctg 1380  
aaatagctga gataattaat ttggaaccta tcaatttgag tggacttttt ctttagtagt 1440  
acaccatttt ggttgttgta gtttcaaagt ctttctgaag cagatatatt gggattggag 1500  
cggggtgggg aaaactgtca ctcccttcag aggaaaaggg gaggagcatg gagaaaaaca 1560  
aaaattaaag gacttaaaga atggctatac agtgttgagt gttgaggata ttaaactatg 1620  
tatttttcaa acgtatgtaa tatatattaa atttataaag caaatttatg ttgtgatctt 1680  
gcctgaacaa attatatttt aatgaaaaaa ctttctatta atagttcacg caagagaaaa 1740  
cactttcaac atagtcgaag gcttcaagat ctaagtgtat cagacttagg gaaaaagtgg 1800  
cacaaccttc gatttaaaat tctagtcttt aaaatgagtt tgtaaataat tagctattac 1860  
gttctattaa gttgttttat attttaattt tctggaagac aattttattt tacaacgtga 1920  
acccaaataa agtaacttct gtatttaaaa gtcaaaa 1957

&lt;210&gt; 1671

&lt;211&gt; 815

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

1048

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (646)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (721)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1671

```

tggcattatg ggatgtatgg ccaggctntt cntgccagg aanttattcc aggcattggtg 60
gaatccttca tcnggaatgg atggttttcc ntttatgccaa aaaggcccat gtctaaccct 120
ttattattaa ttccagcagc atggggactg gtaccagtgg ttctcaaaa gtgtggaccc 180
cggacccagc cagtgrgagc atcatctggg aacttggtta aaaaatgtaa attattaggt 240
cctaccttaa acctcctaaa tcacaagctt tgctttaaca agcaacctgc acttttaaaca 300
aactctctag gtgattctgg tgcattgctaa agtttgagcy tcttataata ammtasaaac 360
tgtaccacaa ctgataatta tagtctcctt tagggataaaa tcaattatta gttacaaatt 420
aggcaataaaa aggcaaaata ctagagaaaa taaccaagag attaagtttc ttcacatattc 480
agtgaaaaaa agtaaagaac attttatggt gaattwgaga tatacagaga attacattta 540
acattcacca taaaaagtaa agaacatttt atggtgaatt tgagatatac agagaatttac 600
atttaacatt cactgatgtt tcatctgtca gtagaaagaa ggccgnaaga aaggatgatcc 660
caaaactgggt aatgtcgagt aagaggaatg taaaatggca aaaccaggaa gcaaaaatta 720
ngaagcaaga gctgctctaa aggaaaagga aaagtctctt cactaacaca gaagagcgca 780
ggagctgcag ggccgggttaa tcaaccaccc agata 815

```

&lt;210&gt; 1672

&lt;211&gt; 832

&lt;212&gt; DNA

1049

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1672

ttgcaggtac	cgggtccggaa	ttccccgggtc	gacccacgcg	tccgaggttn	gaaggcgaga	60
tctgattctt	cacccctcac	ccctgnccgg	gctggtgaca	ctgaaggcaa	agactgggac	120
accaagggtc	cagaactggc	tctgtcccca	ctctgtgcgg	catgagcagc	gccccgcgc	180
sgggccccgc	gccccccagc	ctcacgctct	gggacgagga	ggacttcmag	ggccgtcgct	240
gtcggctgct	aagcgactgt	gcgaacgtct	gcgagcgcg	aggcctgcm	aggggtgcgct	300
cgggtcaaggt	ggaaaacggc	gtttgggtgg	cctttgagta	cccgaacttc	agggacagca	360
gttcattctg	gagaagggag	actatcctcg	ctggagcgcc	tggagtggca	gcagcagcca	420
caacagcaac	cagctgctgt	ccttccggcc	agtgctctgc	gcgaaccaca	atgacagccg	480
tgtgacactg	tttgaggggg	acaacttcca	aggctgcaag	tttgacctcg	ttgatgacta	540
cccattccctg	ccctccatgg	gctggggccag	caaggatgtg	ggttccctca	aagtcagctc	600
cggagcgtgg	gtggcctacc	agtacccagg	ctaccgaggc	taccagtatg	tggtggagcg	660
ggaccggcac	agcggagagt	tctgtactta	cgggtgagtc	ggcacacagg	cccacactgg	720
gcagctgcag	tccatccgga	gagtccagca	ctaggctcca	cggccccaga	caccttccct	780
gaggacactc	aataaaggtt	cctgaatctt	cctgccaaaa	aaaaaaaaaa	aa	832

&lt;210&gt; 1673

&lt;211&gt; 591

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1673

gcaagaagga	cttcttttggg	aaatcagacc	ccttccttgt	gttctacagg	agcaatgagg	60
atggcacgtt	caccatctgc	cacaagacag	aggttgtgaa	aaacacgctg	aatcctgtgt	120
ggcagccctt	cagcatccct	gtgcgggctc	tgtgcaatgg	agactatgac	agaacggtga	180
agattgatgt	gtacgactgg	gaccgggatg	gaagccacga	tttcattggg	gagttcacca	240
ccagctaccg	ggagctgagc	aaggccccaga	accagttcac	agtatatgag	gttcttaacc	300
ctcgggaagaa	atgtaagaag	aagaaatatg	tcaactcagg	aactgtgacg	ctgctctcct	360
tctctgtgga	ctctgaattc	acttttgttg	attacatcaa	gggagggaca	cagctgaact	420
tcacagtagc	cattgacttc	acggcttcca	atgggaatcc	tctgcagcct	acctycctgc	480
actacatgag	tccctaccag	ctcagcgcc	atgccatggc	cctcaaggca	gtgggagaga	540
tcattccagga	ctatgacagt	gataagctct	tcccagctta	tggctttggg	g	591

&lt;210&gt; 1674

&lt;211&gt; 616

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1674

## 1050

```

agttttatca tctgtaaaat ggagataagt attgtcagag taaacatgaa gattagaaag 60
aacacttaat gtgctgggcc ttttataggt taacactgac atctcaggct gaactatata 120
cattttcctt cacaaccata tcaatcctta taaactatgg atttatgctc cttaaaacaa 180
tatataatgc tgatcactac tataaatgcg tggttttaac caactgtact gaaacagctt 240
tgagtttata ttctgtttgg atatttgag aaaacaacaa gtgctctcaa gagyayttgc 300
ttagaggccg gctgtgtgag tggataactt tgaaagctgc ttttgagacg ccagtgtctg 360
gcatttcctg cattctggcc tggaggcccg acgtgaatct gacttctagt aaaaatacac 420
ggttcccttg acaaagtcca gctgtttatc ccagagactg cacaattttc cgttgatagg 480
catggaccaa tgctaactgg aaatcattgc aaaaagtttt tttgtcgggc ggagggtgtg 540
gtgttaagat aaacagtgtg caacagaaga aattaaaact ggaagaaatt aaagggtttt 600
ttttagaaaa aaaaaa 616

```

&lt;210&gt; 1675

&lt;211&gt; 667

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (601)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (622)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (639)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (664)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (666)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1675

```

aaaacgaggc agaacaggac gtgattttaa acatttgctg ggctgtgcca cattcctctg 60
gcagttagct cagaggaagc tcccttcgct ctggggaacg gttctgtgtc tcattgggtc 120
atttctcttg agctcttcgg cagtcaaatt tgcttttttg aaaacttaag ctggggggcg 180
ttgcaagtag taaatagagg agttgggggtg gggggggggcg ttcaytatct aggtttgtta 240
ggggcctcac ggttttcggg tcggagaatc cactgcgtgc tctcctctt cccctggccc 300
ggactcccag cttcattgtg tcatcccgcc tgggggaaag caccaccgg gatcgtcagc 360
ccactccacg ccagcctagc ctgsaagtct cagaaaaaaa gcaaaactgg gagaaaaatag 420
aagggtgtgag ggaggagtgc acccctaggc ccaccataa caaaaggctg ttattccgaa 480

```

## 1051

```

agggctgagg aagggttttaa aactgctcgc ccgagaaggg tggagcctac acacaggaaa 540
tgtcttaact gtcctctctt ggacaacgta aagtttttaa attttaaaaa aaatcaatgt 600
nccccctgat atttttacct tnataccctg tttcttaang gaaaatccct tcaaaagggg 660
taancnt 667

```

&lt;210&gt; 1676

&lt;211&gt; 831

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (269)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1676

```

ttaagaatt gttggcatct gtattcttga ttaataccct tgtttttcaa gatgtacttg 60
cagtaaatat atttgctttt taattcttgg ttagcagttg aaatgggtgag tttcagaagg 120
ttaaaaagggt aatttttgtct taagtgaata aaacaaatta ttataacagc atcttataaa 180
ttaggggatcc caagctgatt tctaaacatt tctactgagt aaagaaatta taccaaatat 240
ttgattagct cattctatatt aattttttgnt tttgntttgt atcatggatt aggtactaga 300
accacagaat gtcgatcctt ctatgggttca aatgaccttt ctagatgatg ttgkctactc 360
tttgttaaaa ggtgaaaata ttggcattac atcacgacgc aggtctcgtg ccaatcaaaa 420
cgtcaacgct gtacacagcc attatacacg tgcccaagca aatagtccca gaccagcaat 480
gaactcccaa gctgctgtac caaaacagaa tacacaccag caacagcaac aaagaagtat 540
ccgtccaaat aagaggaagg gctcagatag cagtatacca gatgaagaka agatgaagga 600
ggaaaaatat gattatatat cacgaggaga aaatcctaaa ggtaaaaaca aacacttgat 660
gaataaaaga aggaaacctg aggaggatga aaagaaacta aatatgaaaa gacttcgaac 720
tgacaatgtt tcagactttt ctgagagcag tgactcagaa aattcaaata agagaataat 780
agataattcc tcagaacaga agccagagaa tgaawtgaaa aaaaaatact t 831

```

&lt;210&gt; 1677

&lt;211&gt; 1319

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1677

```

ggctggcttc tgcgtgggtgc agctgcgcac gtgttttcagc cggcagcgct ttaagatttc 60
cgggggatgga atccgaaatg gaaacgcaga gcgccrgggc agaggagggc tttaccagg 120
tcacccgcaa ggtggccgac gggcgaaagaa acgacaggct gaacagctgt ccgcagcagg 180
agagggcgagg gatgcgggcc gcatggacac agaggaggcc aggcggcgga agaggcccgt 240
cttccccaccc ctctgtggggg acgggctcct gagtgggaaa gaagaaacaa ggaaaattcc 300
agtcccagct aacagataca caccattgaa agaaaaactgg atgaagatat ttactcctat 360
tgtggaacat ttgggacttc agatacgctt taacttgaaa tcaaggaatg tagaaatcag 420
gacttgtaar gaaaccaagg atgttagtgc tctgacaaaa gcagctgatt ttgtgaaagc 480
ttttattctc ggcttttcagg tggaggatgc acttgccctc atcaggttgg atgacctctt 540

```

## 1052

```

cctagagtct tttgaaatta cagatgttaa acccctaaag ggagaccatc tatccagggc 600
aataggaaga atcgctggca aaggaggaaa aaccaaattc accatagaga atgtgacacg 660
gacaaggata gttttggctg atgtgaaagt tcacatcctt ggctccttcc aaaatatcaa 720
gatggcaaga actgccattt gcaacctaata cttgggaaat cctccttcca aggtttatgg 780
caatattcga gctgtggcta gcagatcagc agatcgattc tgatttcaag tcagagactt 840
tttatcttgc ctttggactc tggtgaaaaa tactttacag tggtcggtca caagaaacca 900
tctgaacaat ttcagtcatt tgaagcctcc gtcccttctt ccattctcag ccagaagcat 960
aaacagaaaa gaaagattta agaggattca cactcaacag gttttaggat aatttaaata 1020
tcaaaaattg attgttatac ttacacatta ggtataattt atcatttata tgaaatcaca 1080
tgtagcagat tgcatagtct gtaatcctct cagagggaaa cttcttggtt aaacagctct 1140
atatggattt atacttttat atttataaat ttataacttc atacaaattt ataaacattt 1200
ctttataaat tgtaatttaa tagattatct cagaaaaacc tctctgaatg atgacccttc 1260
cttaatactg ggtgatgtgt gaatatttgt ttgttggcag acagggcttc actttgtca 1319

```

&lt;210&gt; 1678

&lt;211&gt; 470

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1678

```

gcatacacag gaatgtgtct tctaagatat gccactgatt acatgtgagt acctgagaga 60
gaagaaggcg aaggagaaga aactccaaat ttttagccact ggggcccacc gagaattggt 120
gagattttta gagaacccaa tgtgtcyctt gggatcagta ttgttggtgg acaaactggt 180
ataaaacgtc taaagaatgg agaggagcct taaaggtata ttcatcaaac aagttttaga 240
agacagtcca gcagggaaga cgaacgcact taaaactgga gataaaatac ttgaggtgtc 300
tggagtagat ttgcagaatg cctcacacag cgaagcagtt gaggccatta agaatgcagg 360
aaaccctgtg gtgttcattg ttcagagttt gtcatccact ccacgagtca ttcctaattg 420
acataacaag gccacaacaaa tcaccggtaa ccagaaccag gacacccaaa 470

```

&lt;210&gt; 1679

&lt;211&gt; 1126

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1120)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1679

```

aattcggcac gaggtgacca ggagtcgacg tgtgcagaag tcttggtaat ctggtccttg 60
ttcccgtctg gataccagct tccttcagca gcgcaggcgg tggtcctga ggcccgtgga 120
aggagtcaaa cttgcgggaa ttttgcagtt tatctgcagg gctgttggtt ccagcaagac 180
ccaaagctag aaaaggagga ggaagaaact gacccgatca gtgccagaag tcattgtatt 240
caaagaagaa taagcaagaa agaaaagaag gaaggaagag aggtagacag atacaagatg 300
aaatcctgtc aaaaaatgga aggaaaacca gaaaatgaga gtgaaccaa gcatgaggaa 360
gagccaaagc ctgaggaaaa gccagaagag gaggagaagc tagaggagga ggccaaagca 420
aaaggaactt ttagagaaaag gctgattcaa tctctccagg agtttaaaga agatatacac 480
aacaggcatt taagcaatga agatatgttt agagaagtgg atgaaataga tgagataagg 540
agagtcagaa acaaacttat agtgatgcgt tggaaaggta atcgaaacca tccttaccac 600
tatttaattg agtttacctt gatttttata tgatattaac aataccatat agcttgcttt 660

```

## 1053

```

ttattagcat ttcctgatat tcctttgtcc atatttctac ttataacctg ttgctattaa 720
tggttttaga tgtatctctt gttatctgca tctcattgtt tattgtattt tgaaccaatc 780
tacaagtctc tgtcttttaa taaaagaact ttacacattt gtaaaaaaga gggtcttggt 840
aagatataaa atggaaaaag gctaagtaat atgtgaatat catatttttg aaaggtaaaa 900
agtacatttg tatattacat atatggacat aacttgtgaa ggatgaaaga aagtacagcc 960
tctcgggtgg gggattatga atgatttttc tccttttgct tgtttgtatt ttctatatcc 1020
ctaaaattaa cacacattat tattgctaga ataataaaaag ttttataaaa aagaaaaaaa 1080
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggg 1126

```

&lt;210&gt; 1680

&lt;211&gt; 630

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (511)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1680

```

accctcacta aagggacaaa agctggggct ccaccgcggt ggcgnccgct ctagaactag 60
tggatcccc gggctgcagg aattcggcac gagaaatggg catgcctcta cggatcagtt 120
aagtgaagaa aaggagaaa gggcatgtgg ctgttgagaa gtcaagtaag ygacatagta 180
gttcagggtg cccatgcctg ggatcttctc tatgattgat acatggcaca gtgagagatt 240
aatgggcatt gtgtacaaat tgcttctcac catccccatt agacctacga ataaagcatt 300
cggttctaaa attaatttgg tgcagctttg taaatatttc tttaagattc agcctgagag 360
ttaggrgaaa tatttcagag ccaaaagtgc cttatacaac cttagcctat tatagtraak 420
cattcaaggg attcagaatt tttggcagtc acargaagag tgtattttatt atgtagratg 480
gaatgagggt acctgtcacc ctgcccttaa ntgtaggtag ggccccagag tcttaccatt 540
ttaaggatct ttaccatgcc aggtttataa aaaccgggcc accaggtctt tcaatccagg 600
attttgaaag gcttcattgc ccatagggtg 630

```

&lt;210&gt; 1681

&lt;211&gt; 612

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (575)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1681

```

gcatagaggc atagcatggt tatgactctg gtttctttct cttcaggtgg ttttatacca 60
ttactgttaa tgttatttta acttggcatg tataacattg ccatatagag tagagtagaa 120
agttgcaaat tttgatagtt tacagagtta aacactaaac atatccaaag tccatttaga 180

```

## 1054

```

gttttgggtg ttgtattttg ccatttttgt gatgtgtggc cttttattct gtaatctctt 240
ctaaataaaa cattgaacat ccagcaaaca taaaacctgc ctcatttgaa aaggaatttc 300
aaaattccaa ttaataggat tctctagaga gttttgtact ttaatatattg tcagtgtagt 360
gtcaactctg ttaccaaggt agcttcttgg taaatccagt agctactcaa tgctatttgt 420
actgaataaa gcaattatta acatgatact tcccactatt gattaatgca atattgatat 480
at ttggcggt gtggtagctg ttgcagaatg aatagtgtaa tgaccataag attgcttggg 540
aaattgtaat mcagatatcc acaatgaatt ctttnccaaa attttttttt ccgatgataa 600
aagtagtaga tg 612

```

&lt;210&gt; 1682

&lt;211&gt; 1194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1682

```

gcaaccaggt ctacttttta atggctttca taacactaac tcataagggt accgatcaat 60
gcatttcata cggatataga cctagggctc tggagggtgg gggattgtta aaacacatgc 120
aaaaaaaaaa aaaaaagaaa ttttgatat ataacattt taatctttta taaagttttg 180
aatgttcatt tatgaatgct gcagctgtga agcatacata aataaatgaa gtaagccata 240
ctgatttaatt ttattggatg ttattttccc taagacctga aaatgaacat agtatgctag 300
ttatttttca gtgttagcct tttactttcc tcacacaatt tggaatcata taatatagg 360
actttgtccc tgattaaata atgtgacgga tagaatgcat caagtgttta ttatgaaaag 420
agtggaaaag tatatagctt ttagcaaaaag gtgtttgccc attctaagaa atgagcgaat 480
atatagaaat agtgtgggca tttcttcctg ttaggtggag tgtatgtgtt gacatttctc 540
cccatctctt cccactctgt tttctcccca ttatttgaat aaagtgactg ctgaagatga 600
ctttgaatcc ttatccactt aatttaattg ttaaagaaaa acctgtaatg gaaagtraga 660
ctccttccct aatttcagtt tagagcaact tgaagaagag tagacaaaaa ataaaatgca 720
catagaaaaa gagaaaaagg gcacaaaggg attggcccaa tattgattct tttttataaa 780
acctcctttg gcttagaagg aatgactcta gctacaataa tacacagtat gtttaagcag 840
gttcccttgg ttgttgcatt aaatgtaatc cacctttagg tatttttagag cacagaacaa 900
cactgtgttg atctagtagg tttctatttt tctttctctt ttacaatgca cataatactt 960
tcctgtattt atatcataac gtgtatagtg taaaatgtga atgacttttt ttgtgaatga 1020
aaatctaaaa tctttgtaac tttttatatc tgcttttgtt tcaccaaaga aacctaaaat 1080
ccttctttta mwamaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgggcgt tttta 1194

```

&lt;210&gt; 1683

&lt;211&gt; 1014

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1683

```

acacctccaa cagactctca ttaagattca gttattttcg ctccccagcc ccacactcct 60
ttcagattat cgttcattgg cgtaagtctc ttctcagagt taacaagtct ttggtagtca 120
tcctctgtcc aaatatgtga tattattaaa aggcattttt aataattacc agaattagct 180
caaaccttta gggatctttc agccatgatt attaaaggata tgtatgtgaa tttttgggaa 240
acctctcggt gctggatgcc agcctacagc aggggtccatt gctggcaatg gatggcccag 300
gaagggtccc agagatcact cacttgaaaa atgagggtcc catgaaagta tttggttgcc 360
ttctgatgcc acttcttctc actttacttt ttgcttattt tcaaaatatt ataaaatgtc 420
aacatataat ttcagaaagg cagggtgggg taggggagaa atgaatgaat aaattctcta 480
gggtatttaga aagataagaa actgaagacc gagagactaa taaggctgct tacctaatta 540

```



## 1055

```

ttataatcat ttcatttgcc tgaatgtttt aagcaggaag tagaaatact ttggctgccc 600
aatgtatct tttgttcctc ttagaagtaa aataagctac atacaataaa aatttatttc 660
agaaccccat ttctagaaaa taccacccca gagtcctcat ttgatagcat ctgtctcctg 720
cagacctcat cattccacag tatttccttg ccatgtaaaa atcctgactt tgtgcgtata 780
taaaatgtat gcaattaagt ctgtttaaat gatattttaag ttttaaagac tgtattttgt 840
tgacacatac tttgtgcagt ttttatgtat gtatgtatta taaaaaaagt taaggttaaa 900
aacatctcat ttaatagtga gttcactatt tttttttttt tgtctctggg ttgtaattta 960
ataatcttca aacaaaatgt ttacgaaaaa tgccaaaagt tctaaatctt aaaa 1014

```

&lt;210&gt; 1684

&lt;211&gt; 431

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (423)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1684

```

ggaaaagcac ctacaagaga gctgcatgga gctgtgggtg catttcctgt taccaccagg 60
gcatcccaga atgctgacaa agagaaaact aagaccttcc cactctgatt tgttacatgt 120
cataacacca agcaagtgcg agaggagaca attatggggc ccagaggaag gtgcctgtat 180
catgtagaca aaatccaaag cagcttggtt cagacaaaac attttgcttt ggaaactttt 240
gaaacttcca tggccgttga atatagcaga gatgatctaa aaattttaga agcggttgag 300
gtacccgtgg taggggcaag gcatgggagt ggtgatcctt aaggggcttg tctttagttt 360
gagggccaca cacagaggag gtgggagcaa aactgaggtc tycccagagc agcttttcag 420
acnaaaaaaa a 431

```

&lt;210&gt; 1685

&lt;211&gt; 569

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1685

```

gcggacgcgt ggggttgacta ttctgaggac aagagtagtt gggacaacca gcaggaaaac 60
ccccctccta ccaaaaagat aggcaaaaag ccagttgcca aaatgcccct gaggaggcca 120
aagatgaaaa agacacccga gaaacttgac aacactcctg cctcacctcc cagatcccct 180
gctgaaccca atgacatccc cattgctaaa ggtacttaca cctttgatat tgacaagtgg 240
gatgacccca attttaaccc tttttcttcc acctcaaaaa tgcaggagtc tcccaaactg 300
ccccaacaat catacaactt tgaccagagc acctgtgatg agtccgttga cccctttaag 360
acatcctcta agacccccag ctcaccttct aaatccccag cctcctttga gatcccagcc 420
agtgttatgg aagccaatgg agtggacggg gatgggctaa acaagcccgc caagaagaag 480
aagacgcccc taaagactga acatttaragg tgaaaaagtc gccaaaacgg tstyctytyt 540
ctgatcacyt tccaggaccc acccaagtt 569

```

&lt;210&gt; 1686

&lt;211&gt; 922

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1056

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (904)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (912)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1686

```
cctcatagca ggcattccaac acggctgcca ggatatcggg gcccgagcc tgtctgtcct 60
tcgggtccatg atgtactcag gagagctcaa gtttgagaag cggaccatgt cggcccagat 120
tgagggtggt gtccatggcc tgcactctta cgaaaagcgg ctgtactgag gacagcgggtg 180
gaggccgagg tgggtggagg gatgcacccc agtgtccact tttgggcaca gcctccctcc 240
ataactgagt ggtccacaga tttgcactac gggttctcca gctcctttcc aggcagagag 300
gaggggagggt cctgagggga ctgctgcccc tactcggca tcccctgcag agtcaggact 360
gctccccggg ccaggctgcc ctgggagccc ccctccgagc ccagccagcc aggtctctcag 420
gccctgcgcc tgcctcagggt ctttcttgct gcagcctgct ccagcctggc cccacccca 480
ggggcaggcg gccctcctg gcttctcctg tagggcacct ccctgcccct agcctcccag 540
gaaatggtgc tctcctggcc ctgcctctgg cccttcccs ggcgctgccc ctccagccatg 600
tggcacttct gagctcctga cctaggccaa ggggaggtct ctgccccctt ccccgccct 660
gggtaccct tgggtcctgc tcctcaggcc gctcccctgt ccctggccat gggtaggaga 720
ctgccctggt catggccgcc tgcctgtcat tcctgactca ccaccgtccc caggatgaacc 780
attcctccct tctcctcagc tgcagtcgaa ggctttaact ttgcacactt gggatcacag 840
ttgcgtcatt gtgtattaaa tacttggaat aaatcaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaanaaaaaa anaanaaaaa aa                                     922
```

&lt;210&gt; 1687

&lt;211&gt; 1596

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1397)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1404)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1498)

1057

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1508)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1515)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1589)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1687

tcaccgggtg	cgccgtctag	actagtgacc	ccgggctgca	ggaattcggg	cgagggcgcc	60
caggttcttt	agtggaagaa	cgcgaaagcga	ggatgagtga	tccgtggagg	cagtaacagg	120
cgcggcgagg	gagaagtgat	tcccgaagaa	tcaaggctgg	gccggacccg	gtggcctggc	180
aacagggtaa	taagagaaat	gaagccaaca	ggtacagacc	caaggatctt	atctatagct	240
gctgaagttg	caaaaagccc	tgagcagaat	gtccctgtta	tactgttgaa	gttaaaagaa	300
ataataaaca	tcacaccttt	aggaagctca	gagttgaaga	aaatcaaaca	agatatatat	360
tgttatgata	tcattcaata	ttgcctcttg	gtccctcagtc	aagattattc	tcgaatccag	420
ggtgggttga	ytacaatttc	ccagcttaca	cagatattaa	gccattgctg	tgtgggcttg	480
gagccaggag	aagatgcana	ggaattttac	aatgaattac	ttccatcagc	tcagaaaaat	540
tttctagttt	tggggagaca	attmcaaaaca	tgttttatca	atgcagctwa	ggctgaagaa	600
aaagatgaat	tactacactt	tttccaaatt	gtgactgatt	ctctcttctg	gcttttggga	660
ggccatgttg	aacttattca	gaatgtacta	caaagtgatc	atttcttaca	tttactgcaa	720
gctgacaatg	tccaaatagg	atctgcagtc	atgatgatgc	tacagaatat	aytacagatc	780
aacagtggtg	atttactcag	aataggaaga	aaagccctgt	attcaatttt	agatgaagtt	840
atttttcaagc	ttttttcaac	tcctagtcca	gttataagaa	gtactgctac	aaaactccta	900
ctggtgatgg	ctgaatccca	tcaggaaatt	ttgattttac	tgagacaaag	tacctgctac	960
aaaggactca	gacgtctact	aagtaaacag	gaaactggga	ctgaattcag	tcaagaactt	1020
agacagcttg	ttggcctttt	aagcccaatg	gtctatcagg	aagtagaaga	gcagaaacta	1080
catcaagcag	catgcttgat	tcaagcctat	tgggaagggtt	ttcagacaag	aaagagatta	1140
aagaagcttc	catctgctgt	gattgctttg	cmgaggagtt	tcagatccaa	acgatcaaag	1200
atggttgctg	agataaatag	gcagaaggaa	gaagaggacc	tcaaattaca	attgcaactt	1260
caaagacaga	gagccatgag	actttcccga	gaattgcagc	tgagtatgct	cgaaatagtt	1320
catccaggtc	aggtggagaa	acactatcgg	gaaatgggaa	gagaaatcag	cactgattat	1380
ccagaaacat	tggaganggt	acanggaaag	gaaaaatttt	caccaacaga	ggcagtcctc	1440
catagaagta	taaaagcaac	tgtcacactt	caaaagagca	agcgctttta	attcctancc	1500
gaaattgncc	gttangaaaa	aaggaaacta	ttttgcctcc	cttgggcgaa	gggacctncc	1560
aaagaaacct	caacctgaaa	tgccaacgnc	cccaa			1596

1058

<210> 1688  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<400> 1688  
ataaaagaag caatcacccc cacattttcc cctgcccaacc acttgcctgt accaagtgtg 60  
agctctgaaa ggggaagtct ttaagggttaa acaagtgttg aagtcttaat tttttttatt 120  
acatggactt taccaaactg actttttggtt tgtntctttt tagtggctag aagtgacccc 180  
aggatttttt tattatcaag agagactaga agaatcatga gacttttcct agttgccttt 240  
caagaatatg aagaaaaaaaaa tggttctcaa agtgggtttg aatgagtatt gttccaataa 300  
atgaacttat attcataaaa aaaaaaaaaa 329

<210> 1689  
<211> 1273  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1273)  
<223> n equals a,t,g, or c

<400> 1689  
tccgnaattc cccgggtcgac ccacgcgtcc ngttagtaac tacttcaatg atcatttcac 60  
aagaaaaaga ctataaatta agtagaganc aacatttttta ttgaacattt ttggcttgca 120

1059

```

atcaaacttt gccactaaaa attaacttca taaaacacta gtccgttatc aacttcttca 180
cagagaaagt agctatacta taccctacat atttatttat ttattattct actatagcag 240
aataacaaaa cttgatgcat taagccagtt ctttgcaact gaaaattacc tgtttctcct 300
tccctttcac actccatgta tatatgatca gcctctccat taaaaagaag ctggacatgc 360
aartacatca tattatgttt tctccatatt ttatgttttt ctatgtatct gaatacagtg 420
ggataaataa ttgaaagtag tgttcctatg gcattagtgt ttttgtgaga agggtaaattg 480
tagtgagaaa ggttttttca tggcattaat aagaaagccc ttctgtaata tatatattat 540
tttgtaaaca tttcactgaa gggccaaaag ttaaattata actaaatcac tgtgttttca 600
gaatgatatt taacaacaaa cccgtggtca aaccaaaata gtgggttgaa gtgtattatt 660
catcttttag tgcattggca attgcaaaaa aaaaaaagga atttaataata aggctataga 720
gattaattca gtgtctaaca tttgtattta tttaaatagt tattgacctt tgatgacttt 780
ctagtcttaa cattttayct ttttattgtt gttgttcttc ctttcaaaga tgtgggttctt 840
aataggttca ctgaatgcac agttgaggca cttcttgtga caccagttcc caagtagcgt 900
taataattgg gcctgtgtca taaaatgcac ggatcattaa taactaaatg tccctgacac 960
ttttcactac agggctggac ttagtaactg accaacttcg gggggagggg tggggcaagg 1020
gggggtgggc gttagaacat gatcaaaaaa tgtctccgct cagggattta tggtaggatta 1080
ttgcagacag tgctaaaaat atagagcaca agacaagttt actaaattaa aattttattt 1140
tttgagaaac tgttatttgt ataaattatc aagatttgta ggctttcctt ttgtagaaat 1200
aattgtttta tgtgccagag aatttcaatt ttgttttcaa caataaagca ttgataagaa 1260
anaaaaaaaa aan 1273

```

&lt;210&gt; 1690

&lt;211&gt; 1020

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (859)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (986)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1690

```

tttttttttt tttttttttt ttttttgkat taratttttt ttttcctagt accttccagc 60
tctaaaaaaa tttgaaatag cataataaaa gacaaaakga aaacgaaatt ttaattgkaa 120
tattttctgk cacagcagca tatgtatatt tgaaatactg gtaacaattt taaggtagca 180
ttctgtggta ttaatattta ttaatatgct catgaacttc taagtgccac accagacata 240
tagactcttt actttaaaaag agcatatatt taaggcattg aaatggatac agctatatte 300
attctcaatt gtcttaggct attatatgga aagatatgtg tcaattatag gtaggtagggt 360
aggtaggtag attttctgga aacacagaag tacttgacgg agagttaggc ctgtattcta 420
taaattctatt aatggtagca aagtgcataa gacagggatt tctttgagat gaaaggagtg 480
ctgaagaaga gcattggaat taatatttgg atgtggtatt gtgaaattca atgggtaaag 540
taaccctaatt gtgggaataa aagtcaaggg aaaggtcttg aataagtaca cagaaaaata 600
ggctaaaaat attaagggga gggaaattgg aatacagggg gacagtgtgc aagaaagcaa 660
gccaggaatc tgcctatgtg gtagacccaa ccattactac ttgaaccccc ttagaaaagc 720
ttttccagca ttccataact caggttcttc atttataaag tgggaaactc ataattgtcc 780
tacctacctc acaggggtgt tgtgaggatc aaaggaacag atgaatgtat gagcactttc 840

```

## 1060

agacatgtaa ggcactgtnc atgtaacaag taggggaaag actctgggag cacattagtg 900  
 ttgggtgtgt gccaaagcccg tgggttggtt ggaccgtaag ggatkatttc aagttaggga 960  
 gggagggaag agaagktggg cwttgnttat taaagggttg tgttacacac cttagggttt 1020

<210> 1691

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<400> 1691

caagtntaag ccccanattg ctgctctgaa agaggagaca gaagaagagg tgcaagatac 60  
 aaggcttttag agagcagcat aaatgttgac atgggacatt tgctcatgga attggagctc 120  
 gtgggacagt cacctcatgg aattggagct cgtggaacag ttacctctgc ctcaraaaac 180  
 aaggatgaat taagtttttt ttaaaaaaga aacatttggt aaggggaatt gaggacactg 240  
 atatgggtct tgataaatgg ctctctggca atagtcaaat tgtgtgaaag gtacttcaaa 300  
 tccttgaaga ttaccactt gtgttttgca agccagattt tcctgaaaac ccttgccatg 360  
 tgctagtaat tggaaaggca gctctaaatg tcaatcagcc tagttgatca gcttattgtc 420  
 tagtgaaact cgttaatttg tagtggtgga gaagaactga aatcatactt cttagggtta 480  
 tgattaagta atgataactg gaaacttcag cggtttatat aagcttgatc tcctttttct 540  
 ctctctccc catgatgtt agaaacacaa ctatattgtt tgctaagcat tccaactatc 600  
 tcatttccaa gcaagtatta gaataccaca ggaaccacaa gactgcacat caaaatatgc 660  
 cccattcaac atctagttag cagtcaggaa agagaacttc cagatcctgg aaatcagggg 720  
 tagtattgtc cagggtctacc aaaaatctca atatttcaga taatcacaa acatccctta 780  
 cctgggaaag ggctgttata atctttcaca ggggacagga tggttccctt gatgaagaag 840  
 ttgatatgcc ttttcccaac tccagaaagt gacaagctca cagacctttg aactagagtt 900  
 tagctggaaa agtatgttag tgcaaatgt cacaggacag cccttctttc cacagaagct 960  
 ccaggtagag ggtgtgtaag tagataggcc atgggactg tgggtagaca cacatgaagt 1020  
 ccaagcattt agatgtatag gttgatggtg gtatgttttc aggctagatg tatgtacttc 1080  
 atgctgtcta cactaagaga gaatgagaga cacactgaag aagcaccmat catgaattag 1140  
 ttttatatgc ttctgtttta taattttgtg aagcaaaatt ttttctctag gaaatattta 1200  
 ttttaataat gtttcaaaaca tatataacaa tgctgtattt taaaagaatg attatgaatt 1260  
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 tatgaaatat tatgttaaaa ctgggacagg ggagaacctt ggggtgatatt aaccagggggc 1380  
 catgaatcac cttttggtct ggagggaagc cttggggctg atgcagttgt tgcccacagc 1440  
 tgtatgattc ccagccagca cagcctctta gatgcagttc tgaagaagat ggtaccacca 1500  
 gtctgactgt tcccatcaag ggtacactgc cttctcaact ccaaactgac tcttaagaag 1560  
 actgcattat atttattact gtaagaaaat atcacttgct aataaaatcc atacatttgt 1620  
 gtgaaaaaaaa aaaaaa 1636

<210> 1692

<211> 835

1061

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (832)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (833)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (835)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1692

```
caaaaaaaaaag aaaggaaaaaa cagggccagg tagccattkt ggagagagca cacttaggaw 60
tcctgggatg ttagtkttaa aagaaagctc ctggagccag tgattctcag gtttgatcca 120
gaaccctttt ttctaagccc catataaaag gtagattaaa aaaacaaagt agcatgagtg 180
aaattgagag agggacaggt aatgccttcc agcccctaac ttctaacaat ctggaagcac 240
aacgtgaaaa tcackkagcc caaccctatc attttcatat tatgaaactg agtccaggta 300
agtgaatctg tccaagggtca cccagcaagg tatcagtagc cctgagggtta aggactctga 360
taaggctcgg gagggtcctg gaaagcctga ggcggcagga agagtgtgca gagttgagcg 420
tgtctggaag gctgatccac tgctgggccc acatcaaagc ccccatgggg agcagacccg 480
actgcacatg gctcttttgc tggaagaaga gcatggctgc gcagaggact aaaatttcat 540
ctgggaaggc ttcttttgac tgtcagtagc aggatgtcac cagatgaggg tgctatggga 600
ccacagctgt ctttgttccc attgcaactc aaccctgcr gaggccgcct gcacccctga 660
gagccttctg gagcctacag aggagacatt ggccagccaa aaggaaagga gtggccaggg 720
tacgacctgg agtagggaag ggaaaaagtt cccggaaaaga agagaattgg atgagaggtc 780
tcggtggaata taaaggtttt ctggcattgg tcaaggaaaa aaaaaaaaaa annan 835
```

&lt;210&gt; 1693

&lt;211&gt; 607

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (513)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (585)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1062

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1693

```

gtttgaccct acgtggaagc ctacaagaag gggaattctg ggcaatgtgg ttcagcccag 60
ccacatcaca tactattatt tagtagtcat gaagagagag acataggtaa aaacagcagt 120
tagtatttct tcattctgat atctggcagc aagtgagtga tgctaccatt atcggctaaa 180
atcaggaact ggtattaatg cattttgttt tgttttgttt tctgctttat tctcctctgt 240
catagacagt gaagagtaag tgaagaatct gagggtcac aaccattgtg aactcatcaa 300
agttagtagc acttaaaatt tgctttttaa atgaatggaa agatkccaag ttttyaatag 360
cacaaatatt tttttctcat ttgtaccttt tttttgtctt ttgtatacag atattcccac 420
tctggccact gcccaaagg gctcttatct gaggaatact gctgacttcg agtacctagt 480
tttacagagc catctttctg aagcataaat tanattacat tattctacag cttaaatccc 540
tcttgaactt cccatcaccc caagagtggg tctgaaacgc cttanagtgg cattcangac 600
ccttctg                                     607

```

&lt;210&gt; 1694

&lt;211&gt; 1273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (838)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1694

```

ggggcgagcg aggaggatgg cggagtcggg gctcctgacg gaactctaata gaatcattga 60
ttgaccagca ctattttacc agttggaatg aatgatacaga aatgggcata gtgcttttag 120
atccaacatg taacagatgg atgttactcc atgctgatta cttcttcaag ccagtacttt 180
tttgattgtg taggatcttt gtctcttcat ctttgaattc aattactgga aaataaaaagg 240
agttcatgta gttttgttcc aggcttgagt caccatgagt agtagtttag gaaaagaaaa 300
agactctaaa gaaaaagatc ccaaagtacc atcagccaag gaaagagaaa aggaggcaaa 360
agcctctggg aggttttggg aaagagagca aagaaaaaga acctaaagacc aaagggaaaag 420
atgccaaaaga tggaaagaag gactccagtg ctgcccacc aggggtggca ttttcagttg 480
acaatacgtat caaacggcca aaccagcac ctgggactag aaaaaaatcc agcaatgcag 540
aggtgattaa agagctcaac aaatgccggg aagagaattc aatgcgtttg gacttatcca 600
agagatctat acacatattg ccatcatcaa tcaaagagtt gactcaatta acagaacttt 660
atltatacag taacaaattg cagtccctcc cagcagaggt gggatgttta gtaaatctca 720
tgacactggc tctaagtga aattcactta ccagtgtgcc tgactctctt gataacttga 780
agaagctgag gatgcttgat ttacggcata ataaactgag agaaattcct tcagtggntg 840
tataggctgg attctctcac cactctttac ctctgcttta atcgtataac tactgtggaa 900
aaggacatca aaaacttgct aaaactcagc atgcttagca ttcgagagaa caaaattaaa 960
caactacctg ctgamattgg tgaattatgt aacctatta cgctggatgt agctcacaat 1020
caacttgaac accttccaaa ggagattgga aactgtacac agataacca ctttgacttg 1080
cagcacaatg aactgctaga cctcccagat actataggta tgagaggaga raggagakat 1140
tgatagctgt taatagctaa ctggatatta ataggactat ttttgatcca tttggtaatg 1200
aaaattcagg agtaaaattc acaattacca aagttgtaaa acttttaaga taatatttta 1260
aatcattttt tca                                     1273

```

&lt;210&gt; 1695



1063

<211> 800  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (11)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (57)  
 <223> n equals a,t,g, or c

<400> 1695  
 ctatgggtgtg ncctgtactg gcactttttat tctgggttttg acttgactta gattgtnatga 60  
 tacttttggtt ttgggttttgg ttttgacctg gcttggggttt ttggatactc tgatttttggg 120  
 ttgggtgtaaa ctgcaaaagt gtgtgtgccc tgtttttttg tttttagtagt caygtgtggg 180  
 gtgrgygtgg tgttttgtct cgaagaagca tgggtcaggt acaaataagc ccacccact 240  
 aggaactatg ttaaaaaaaaa attcaagaaa gaatttaagg gagattacag tgttactgtg 300  
 acaccaggaa aacttagaac tttgtgtgaa atagactggc cagcattaga ggtgggttgg 360  
 ccatcagaag gaagcctgga caggtccctt gtttcaaagg tatgacacaa ggtaaccctg 420  
 aagccaaggc acccagacca gtttccatac atagaaagt acagctgctt ttataacccc 480  
 ttgccccgcc aacgtagtta agagaacagc agcataagcg gctggcagag gcaaggaaaag 540  
 accagtagag agaaaaaaaa gcatctata ccaattctaa gtttaatttag actaaacaag 600  
 gtcttaatag caaaggataa ttgaaatccc aaacttaciaa ggttttcaac aaaagtgaag 660  
 tttgcttaaa gtttaacagt taacatgtat tatggtaact tctaattctg tggccttaga 720  
 cagtctagtc caaaggcata aagaaagttt gctttaaaaa aaaaaaaaaa gaatgggtat 780  
 cttcaaaaaa aaaaaaaaaaag 800

<210> 1696  
 <211> 518  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (496)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (517)  
 <223> n equals a,t,g, or c

<400> 1696  
 ccagcacttt gggaggccga ggcaggtgga ttacctgagg tcagcagttc gagaccagcc 60  
 tgaccatctc tactaaatgt acaaaagtga gctgggcatg gtggcgggca cctgtaatcc 120  
 cagctacttg ggagactgac gcatgagaat cgcttgaacc tgggaggcga atgttgtagt 180  
 gagccgagac cacaccaccg cactccagcc tgggtgacat gagtgagact ccatctcaaa 240  
 aaagtataat aaaataaatg gattaaagac atgaatgtaa aatacaaaaa gtcaaatcca 300

## 1064

```

agaagaaaaat tatgkttatc gtaggagtga gtgtgaagtt aggaaaccca aagaaacaac 360
gggcaagggg gatgaacaag cagtttacag acacggaatt cagatcgcca ggaaatatgt 420
gaatggtgtt cgagtytgcc ggtattccat atgcaaatta aggcaacact gtgctcagtg 480
gctggcacag cattgnccaa ggcagtaagc gctattna 518

```

<210> 1697

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<400> 1697

```

cggaatagtg ggttttgctg caaccggttt attttccttc tgttttcacc cattctggca 60
caatctggcg ccatcgtcct tcttgtagg ccaagcctga aaatgcgaag cagagaggca 120
ggacaaaaat tgaggcgaat ccaggaacct gccaatgggt ctccgggtgc ggtctctgaa 180
actggaggat atcgggagga aaggctctcc gatgcggaga taatggggaa gctcttggca 240
tggttggtg taggtatgtg ataccggagg agcaggagtc aaataggata cgccgacttt 300
taattcaagg aacccttttc tgaaacactt tgccacaatg aaggaaataa ggaattgtac 360
tctcagagat gttgagaaaa gatacatggg tcttgggaaag ataattactc aaaatatgca 420
gggaagggat ctagtttgga agcacttaag gaagaattaa gacctccagt ttggaaaaga 480
gggcttctat caggaacaac acganttctg cttaaantgg aagccaagaa caaacctcca 540
atnt 544

```

<210> 1698

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

1065

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<400> 1698  
gaagaccctg gctctctata aaacagaaaa cgcaaacttt aatattatca acaatcaata 60  
tattataaga gattgcaatt tctaagtttc tacctgagtg ttccacaaat acaaactgga 120  
cattttccct ttaaatgagt ttattataa aatgtacata ttgattgtaa aaacaaaaaa 180  
ttcaaatagt acaaaascac ataagtaact aataaaaagct ccctttctgc attaggcccc 240  
tcagttcttc ccagggaata tgattaatag ttacattct tgcagaaatt ttttatgtat 300  
aaatttttac ccaaatgaat tcattatata aattttttcc aacttagtgt ttttttacat 360  
aataatagca agtttaaaaa ttgttcttca ggccangcac ggggtgggtca cgctgttta 420  
tctcacactt tgggaagctg aagcaggaaa acacttgaag tcagganttc aaaacaaccc 480  
tggccactgg tgaaaaccnt ctctactaaa ttacaaaatc acttggttg gt 532

<210> 1699  
<211> 189  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<400> 1699  
gcaacatttg tkaaaagtag agggctaaag taacaccct ctaagcattt gttttcagta 60  
cttcctagga gtggttgcac ttgggaatgg aattgttaaa acttgatgct taggagcgta 120  
tgctgactat tcaactgcgtg gtgggggtgga gaggaggagg aggtatgcag ggagaaggg 180  
tctgtgcnc 189

<210> 1700  
<211> 638  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)

1066

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (518)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (570)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (612)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (619)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (620)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (638)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1700

```

aattcccgagg tcntcccaag cgtcnttnag agagcgagag gaggttttga gagaggagat 60
tcagacactt accagcaagc tccaagaatt gcaagaaatg aagaaagaag agaaagagga 120
ttgcccggaa gttcctcata aggtacagtg accattcagt tgagtctccc gtcagggtgcg 180
gtgagacttt ggtcgtgacg gttctgaccg tttccctgtc cagagttttt tctgaccagc 240
cactgaaaat cccactcccc tttatcatca ccattgattt ctataactca tgtcgtgtgt 300
atcgaagtcc gggtttttga ttaattgact gtcagcaaat tgacttctcg aactgatatt 360
tgagtctcaa ggctgggtgag taaagagttt tccaaatctt ggtcatgcgg aggggtgtagt 420
tatgcggccg gagctgtcac tgagaggcag gaggggcttg gggggaaagg acgaaggctc 480
aaccaggccc ctgcatggac ctgggcatgc gtcctctnct ctcataaag ttccagaaca 540
caagttggca aaagcctcag cgggcactgn cctctgggtg ggggtggggct ttctgtgccc 600
ttccttgccg tnacttcann ttgtgcacgg gttgaaan 638

```

&lt;210&gt; 1701

&lt;211&gt; 695

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1067

<221> misc feature  
 <222> (639)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (647)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (678)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (691)  
 <223> n equals a,t,g, or c

<400> 1701  
 ggccctggtg agtgtcctca ccaaggagta tgaggacgcc gtcagcatcg ccacggcagt 60  
 gcttgctcgtg gtcactgtcg ccttcatcca ggagtacagg tcggagaaat ctctggaaga 120  
 gctgaccaag ctggttcctc cagaatgtaa ctgcctaaga gaaggaaaac tccagcacct 180  
 gcttgctcga gaactggttc ctggtgatgt cgtatctctc tcgatcggag accggatccc 240  
 tgcagacatc cgactcactg aggtcacgga cctcttggtg gatgaatcca gtttcaccgg 300  
 ggaagccgag ccatgtagta raacagacag ccccttgaca ggcggtgggg amctcaccac 360  
 cctcagcaac atcgtcttca tkgggamcct rgtgcagtat gggargggcc arggggtcst 420  
 gattggaaca ggggaaagct ctcarttcgg araaktgttt aagatgatgc aggtcgaaga 480  
 gacacctaaa actcctttgc agaaaagcat ggacaggcta ggaaagcaac tgacactctt 540  
 ctcccttggc ataatcggtc tcatcatgct cattggctgg tcgcaaggga aacaactcct 600  
 gagtatgttc acgatcgggg tcagcctggc tgtggcggnc atttcanaag ggtctgcccc 660  
 ttcgtcgtca tggtagcnct ggtcctggga ntgct 695

<210> 1702  
 <211> 545  
 <212> DNA  
 <213> Homo sapiens

<400> 1702  
 ccgccctgca ggtcgacact agtggatcca aagaattcgg cacaggccag agggaccata 60  
 gtgttgggca ctgtctgacc atgttgcatt tggaaggcta aatggggcca tgaagaaggc 120  
 tggaagggac agggggtgat ggcagcctac ctggtgtccc ctaccccacc tgttctcgga 180  
 gaaccaagtt gctacacagg aagtctctca aggtccagtt tcctttctcc caccagttgg 240  
 tggaggcttc aggggaagacc agagtccctg acagagaggg taacaggagg agtcggggat 300  
 aaacatcaaaa catcaatcgt gtgtcctgat ttgggagtga ttggggggat ggggtgggag 360  
 agggtagtt ggtattctca tggcctgatt ttttttgttt ctattccttt tatatcactg 420  
 tgtttgaatc gagggggagg ggtggttaacc ggaaataaag acctccgatc ttccgcccc 480  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540  
 aaaaaa 545

<210> 1703

## 1068

&lt;211&gt; 1620

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1591)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1600)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1608)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1703

```

aattcggcac gaggaactc tacctctgca gcgagtgcgg gcgctgcttc acccacagcg 60
cagttncgcc aagcacttga gaggacacgc ctcaagtagg ccctgccgat gcaacgaatg 120
tgrgaagagc ttcagtcgca gggaccacct cgtcaggcat cagagaacac aactggggga 180
gaaaccattc acgtgcccta cctgtggaaa aagcttcagc agaggatata acttaattag 240
gcatcagagg acccactcag aaaagacctc ctagckaggt ccccatgtga ggagatctgc 300
tttcagccct cacctaaggg aggtgaggaa gaggaaaagc cctcttgtca gcctgggaag 360
accttttcga gggagtctcc ctgacctgct cagatctgac attacctctt cctgcaacta 420
aacacgagcc tgggcagAAC ctctcagcct tcctctacgc cttgagggga tgtttcatcc 480
aaagtacaac ctgaattgag gcttctcctt cactggagtg cacctgcctc tacctcatgg 540
gtataaagta ggagaactaa gagacttaag aggtcgtggg tcctatatcg tccaaaaaat 600
aggctgttac atatacctaaa gactgctcaa cagcttcaag ttgaaagtgg ccaaggacag 660
ccccttaggt ttgggaaggg acgagcctga aggattctgt ctttactggg gtcaaatctt 720
aaagcacaca gctctggact caagacagga ggtttgcgtc ctgatggctt tgacacacatt 780
cacaggataa ctgcatagat ccctcgctgt ctgattcact tcttaccatg cactttcctt 840
tgatgctgag gagaaatgga agtgggagaa aaatctcaag gctgcttcat gtggaccttg 900
tcaagctgct ccctcccca gcgtcaaatt gttatcaggt gccaaacact gctagaaagg 960
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tattaaaata ctcatgcatt taaccttccc gttattcaac cagtctcttg gttgcatccc 1080
tagcacttct actacaagtg agatggtagt gtttgagtgc ttattgagta aagcataatt 1140
cggtcataat gaaatcgttc acattccctc atatgcacaa gccaccaaac cccttcacac 1200
cccccttcac aggggtcgta tgagtaaggg gatttggaac ctgtcaactt acaaaggcac 1260
tataacaatt acagaatcat gattgccatg ggccacttta ttacatgaa gacaactgga 1320
gaacgactaa gaccaaatta tggaaaataa gaaaaagctg ttgctggcaa gaccatcaag 1380
actgttctga caccctgtcc ccatcatccc tgactgagta ctctgacatc acggaaagtg 1440
ttgaacctgg gaccctgagg aattcaccag gagtaaattg ctttcatgta tttgtgttgt 1500
ttgctttttc ttacgtggat tttatgttca taggagctag gaaagtagcc tcttctgggt 1560

```

1069

ggccccaaca ttcttcttgt ttgcccgttt naggggtccn.ttgaggagntg gagggcttga 1620

<210> 1704

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 1704

tgcacccgcc	cctgggaaag	atgctgatag	gtcttgctgg	ctacctgagt	ggatatgatg	60
gtaccttttt	gttccagaag	cctgggggata	aatatgaagc	atcacagcta	catgggaatg	120
aagaaggagt	kaaggcttcc	tgacttgaaa	tgggactgac	tgaaccctgg	ggccacactt	180
aaaccagaaa	tgttatagtt	tagcagccct	ggcgtggtgg	gcaggtgcaa	attaaagggg	240
actttgggtg	gtggagggag	aggggaggat	gattcagacc	cttcccctgt	gggtgttagg	300
attactcagg	aactgaggtt	naggggaagaa	gggnagagga	ggttgcaatt	attacaggga	360
tgacatagtt	agaaggcagg	cacgcatttt	tcaccgttng	ccctg		405

<210> 1705

<211> 1592

<212> DNA

<213> Homo sapiens

<400> 1705

aattcggaac	gaggcggaca	gtgagaaggt	caggtgaggg	cggcaaccag	ctccccttgt	60
cccgccctgt	tcctcctccc	attaccaccg	ccccacaca	ctcacacgca	cacttacgca	120
cagatcattg	cagcggatga	gatggggcta	tgacagaagc	ctcaggctcg	tttctyctc	180
cctcctccag	ccccctcccg	gcttccagcc	cattctcttt	gcagctgggg	ttcctaccct	240
accctaactcc	cagctccttt	tccccgcgga	tggagagatg	gactctgctg	cttaccacc	300
cactcccctg	caggggggtg	aggactgatt	cagctactgt	atccccactg	ctgtgactgg	360
aaatgggggt	ggggagtgac	tggtcttttc	aaccctgggg	agttgaggaa	aatgtctgct	420
ttcacttcag	ctttcatttg	aatactgtga	tctgggtttt	attttgaaat	gtataaaaag	480
caaaccacgc	tacaaaggcc	ttttcaccct	tccactttgt	aactaatccc	agtcctctct	540
catcactcct	cctcttacag	tactctgcta	ttcatgctca	tttcatgttc	ttaatcttct	600
ttcctgttta	aaaatttttt	tttggaaaaa	atttgaaatc	atggctcctt	tttctgctga	660
atatattcta	tatattatat	atatataaat	tatatatata	tatatacata	tatatgtctg	720
gctacctcgt	tttagtttac	tttttttctg	aagccctgga	attctacaag	agagatatatt	780
tgagactgaa	acatgtttgt	gcctagactg	gaaagatgcc	cttggggttg	tccgtcttty	840

## 1070

```
tgtgttggek ttttcccagc ctccatccgt ccagtgtgcc ccacttccac attctggcta 900
taatttcctt tttctccttg ttcattggga tttagaggacc tatttctaaa tcttaattta 960
tagcacaaat atgtgggagc aatgagagtt gaaccgttgt tttgttgga gatgcagatt 1020
gtgtcttgaa aatgatgatt atatatgcaa attctgccct accctcacc tcttccaagt 1080
ttccccccaa aaaggtcaca cagtgcggct tcctgtggga aacaggagca gagctggcct 1140
gcagagcccc tggggctgtg atgaagctca tatcttatct ctgttctatt aacaaaatgg 1200
gagtttgtgg gttttaaaaa attccgtttc taaatggagg aatagatgac tttctttctt 1260
ttggtggggg ttgggacttg tggctttaa gaaatcactt ctgagtagga tgtatatttt 1320
cgttggattt ttgttgttat ttctttagaa ccctccacag caacatgcaa gaccatggag 1380
ttaaagaaac ccagagacct ttatcaatta attgtactgt ttgtgaattt gtataaataa 1440
taacaaagat cctcttaaaa cgtttatatt cttacagtaa aaggttaaac tgatatttat 1500
ataataaaag aggaaatatg aagtatgttt ttgaaaaaaa aaaaaaaaaa caaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1592
```

&lt;210&gt; 1706

&lt;211&gt; 1442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1706

```
aaaaaaaaactc tctaatacagt tgtacacaca ttgaaaactta tagccatggc cagattttat 60
gctaaaaaatg gtagtttgtc aaagacaaaa ttctcttaga atctaatacca acttgccagc 120
cctgagaaaaa tcccttttaa ggccaaggaa agctgaatgc tagcagccag gcctgtggta 180
cttccatgag aaaccatagc agacaatgcc ctcccaagta ctgaaatcac actggaatcc 240
cccttgttgg gttcatttga ttgtttaaca caggatgtgt tgtgtcattc tgaagttttt 300
atttggggca gaagtcttta tggagatgta aatgacagcg tttctgggtt atgcataact 360
tctcactggt cagagacacc ggtgtgtcaa gcatggatat tgcattgcaa gacttgaatc 420
tataaaaaatt agaatacacac agtcagtact acaagcaaaa cagagaacct gaaagaaggt 480
gcacagactg taagaaaaaa cccaagtttg tgatatttca gtgattccaa agaacattct 540
agggtttttt tttgtttttt tgttttttgg gttttttttt tttactgcag aaaattgggtg 600
gtattttcac attcatagtg tttctatcca atttcagtac ccacatttaa tgaggaaaaa 660
atgtttttacc aatgaaggag gaattcttaa attagctgta atgttaggtt ggagaaaaat 720
tggtatattag ggtattttca aggtaccatc aaatcagatt tctgtttttt tgttaaaaaa 780
aattttttta atcagtattg tttttacaag taatatactt tgaaaactctt gaactaatag 840
tctcaaaaac tctagaggac agtctgagaa cacgtatttc tattgttcta aataaataca 900
tgtttttgaa tagttcaatc atgaattatt gactatgtct tcatcaaaag tgttaatccc 960
tctcagggtc tctgggtgaag accttcaaga gtttggtttt ttctcccagg aaattggaag 1020
gtagaattgt aaattcatag aacttctttt ataatggtgt acctcagcag ctgcctttca 1080
atztatgcca agtccttaca gagtttatac ttgaatagta aatatgtctt ctgagtttta 1140
cagtgtctta aactcaatgc acattttttt ttcttctttt tccaccctt cttgtttgta 1200
gttcattata cctgtcctat tacagaaactg atttccttcc tggctgtaca tgttgggggtg 1260
ctggattttt ttccgtgtct ttagtcttcc ataaatccac acacacacac acacacaaaa 1320
aatatatata tatataaata tatatgtagg atacatgttc tcttcttttag cttgtgggtga 1380
atacagtaat ttgcattgaa gaataaaaca tctgttgccct tttttgacta araaaaaaaa 1440
aa 1442
```

&lt;210&gt; 1707

&lt;211&gt; 808

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



## 1071

&lt;400&gt; 1707

```
gtttcagggtc tttgtgtgtg gctttcttaa agccctgttg taaaaaatta ctatgtggat 60
ggcagtcctct cacatcacag atgtggaaag tataatttta ttttgtatt ttcaaataaa 120
taagtttgtg aaaggtttcc atcctctact gtggtccaga aagatgcttg agatatatat 180
atakatagat acatatatat gtatatatat aaaaaaata ctactacaa aagttccaga 240
gcctccctcg aaggtttctct actactgtat tctgtacata atgtaccatc ccatgtggaa 300
tctgtgagtg tctctttaag tagcgtgggc tagccaatct gccgttcag gtgtattgta 360
aactccgaat tccatatgta ataggatgca agtctaagcg tttcatgtgg acataaatgt 420
atctaaataa aactttccct agcactgtgg ctgacctcac cttactttt atactttagt 480
atgaaactga tgagaacttt ggtagtgagt atttttttta tatatataca tatatatgta 540
ctatctatat atatatctca agcatctttc aggtctttgt gtgtggcttt cttaaagccc 600
tggtgtaaaa aattactatg tggatggcag tctctcacat cacagatgtg gaaagtataa 660
ttttatattt gtattttcaa ataaataagt ttgtgaaagg tttccatcct ctactgtggt 720
ccagaaatca atgtgtttgt ctgacaaaaa aaaaaataaa ataaaaataa ctgttttgaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 808
```

&lt;210&gt; 1708

&lt;211&gt; 1055

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (996)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1010)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1025)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1030)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1708

```
gataaatcta tcaagaataa agcagaacgg gaaaggcgag tcagggagtt aaacagcagc 60
aacactaaaa agtttctgga agaaagaaag agacttgcca tgaagcagtc caaagaaatg 120
gatcagttga aaaaagtcca gcttgaacat ctagaattcc tagagaaaca gaatgagcag 180
cttttgaaat cctgtcatgc agtgccccaa acgcaaggcg aaggagatgc agcagatggt 240
gaaattggaa gccgagatgg accgcagacc agcaacagta gtatgaaact ccaaaatgca 300
aactgaagca gcaaaccac aaagcatcaa aagactcact cacaaacttc tgaacacaaa 360
ctccatggat gaaagctggt tattttgttt cttttatgtg taaacaagat gatatctgaa 420
accagagaga cttggaatgt ctgactgact tctatttaac agcttgagta ttgcatttcc 480
ttggccaaac aaaaatagct acaaatccac aaaaatttac tattccagta aggcagagtc 540
```

## 1072

```

caaccattga taatacaact taaacatggt tgctataaaa taccatcaca agtaaattgag 600
cttgggtgtga acaactctcc tttgtgatgc cttaggacat gtttgaactg cagcaaaaaa 660
caaaaacaaa aaacagtgca ttagcaatct catagcaagt gcatgcacta ggaaaagaaa 720
actctgtcta caagtttatt agcagaagtg gtggtctgct agacaaataa ttttgcaaaa 780
tttttctaca tctaagttac ctcatcagta agtgccatgt ctctaccatg ccacagagg 840
ctaatttcct gtaaaagtgt tggaaattgt tagamcaata gaaaaataga gcagtgtatg 900
tgtgccaaac tcatcattac tcaagggaga ctgtgttagg acattaagaa gttacactgr 960
catgctttat aggattgttc tgcmgttccg gtattntatt ccacctaagn tttgagtgg 1020
attgnaacgn tgtaattgtc ccagataagg ttatc 1055

```

&lt;210&gt; 1709

&lt;211&gt; 1044

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1709

```

aaaaatcttc tagaggaaat actcaagcaa ctagtcattc ttttgatgtc agagtgtctaa 60
cgcagttgct cctgaattca gaccacagat ccacagccac agtccagata tgtagcgggt 120
ctgtaaacct taaggggtgt gtgaaatgca gagcttatat ccacagcagt aaacccaaag 180
ttaaagatgc tgtgcaggca gtaaagaggg atatattgaa cacagttgct gatcgttgtg 240
aaatgctatt tgaggatctg cttttgaatg aaattccaga aaaaaaagrt tctgaaaaag 300
agttccacgt cctcccttat cgagtccttg tcccccttcc tggatccact gtaatgttgt 360
gtgattataa atttgacgat gagtcagctg aagaaatcag ggaccatttt atggagatgt 420
tggatcacac aattcaaata gaagatttgg aaattgcaga ggaaacaaac acagcttgta 480
tgagttcttc tatgaatagt caagcttcat tggacaacac agatgatgaa caacccaaac 540
aaccaattaa aactacaatg ttattgaaaa ttcagcaaaa cataggtgtg attgcagcat 600
ttacagttgc agtccttgct gcgggtatct cctttcatta cttcagtgat taggggtgagg 660
caciaagagt ttcttgatca tccagagaac attgacagac aattatgaat aataaagatg 720
ttaacaatcc atctgtatct aaaacactag cagccagatc tgctgccatg atgcctattt 780
gggtgtgttc tgattaaaat gaaatcacaa gctgccttgt ttagcctgct ttacattgta 840
gggtggccgc atttcagaa ataacgttat gcatctagat ggaagctgca tgtaacaaat 900
cattattatc tattttttaa agcttcaaaa tgatgggata tgatcataga ttttagtctt 960
actaatctga atcacatatt aatcaggaca ttaaaaactt taacagaggc atgatggctc 1020
acacgggtata atcctaattgc tttg 1044

```

&lt;210&gt; 1710

&lt;211&gt; 895

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (863)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (883)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1073

&lt;221&gt; misc feature

&lt;222&gt; (889)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1710

```
aattcggctt cgagcggccg cccgggcagg tgttctaaag ggggatggcc aaggggtgac 60
atcttaattc ctaaactacc ttagctgcat agtgaagag gagagcatga agcaaagaat 120
tccaggaaac ccaagaggct gagaattctt ttgtctacca tagaattatt atccagactg 180
gaatttttgt ttgttagaac acccttcagt tgcaatatgc taatcccact ttacaaagaa 240
tataaaagct atattttgaa gacttgagtt atttcagaaa aaactacagc cttttttgtc 300
ttacctgcct tttactttcg tgtggatatg tgaagcattg ggtcgggaac tagctgtaga 360
acacaactaa aaactcatgt cttttttcac agaataatgt gccagttttt tgtagcaatg 420
ttatttctct tggaagcaga aatgctttgt accagagcac ctccaaactg cattgaggag 480
aagttccaga accatcccct ttttccattt ttatataatt tataaagaaa gattaaagcc 540
atgttgacta ttttacagcc actggagtta actaaccctt ccttgatatc gtcttcccag 600
gagagaatga agcaaaacag gaatttggtt ttcttttgat gtccagttac accatccatt 660
ctgttaattt tgaaaaaata taccctccct ttagtttggt gggggatata aattattctc 720
aggaagaata taatgaactg tacagttact ttgacctatt aaaaagggtg taccagtaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aangggcggc cgttttaaag ganccaagnt tactt      895
```

&lt;210&gt; 1711

&lt;211&gt; 1614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (353)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1614)

&lt;223&gt; n equals a,t,g, or c

## 1074

&lt;400&gt; 1711

```
tggggatgaa aggatctctg agaccacaga ggctcagact cactgttaag aatagaaaac 60
tgggtatgcg ttcatgtag ccagcagaac tgaagtgtgc tgtgacaagc caatgtgaat 120
ttctacaaa tagtagagca taccacttga agaaggaaaag aaccgaagag caaacaaaag 180
ttctgcgtaa tgagactcac cttttctcgc tgaaagcact aagaggtggg aggaggcctg 240
cacaggctgg aggaggggtt gggcagagcg aagaccggc caggaccttg gtgagatggr 300
gtgccgccca cctcctgcgg atactcttgg agagtgttc cccagggggg ctncctgscac 360
nctggnagaa ggaagctgcc tgggtgtggag tgactcaaat cagtatacct atctgctgca 420
ccttactctt ccagggtaca tgctttaaaa ccgaccgca acaagtattg gaaaaatgta 480
tccagtctga agatgtttgt gtatctgttt acatccagag ttctgtgaca catgcccccc 540
agattgctgc aaagatccca aggcattgat tgcacttgat taagcttttg tctgtagggtg 600
aaagaacaag tttaggctga ggactggccc ctaggctgct gctgtgacct ttgtcccatg 660
tggcttggtt gcctgtccgg gactcttcga tgtgccagg ggagcgtgtt cctgtctctt 720
ccatgccgtc ctgcagctct tatctgctcg cctgagggaa gagtagctgt agctacaagg 780
gaagcctgcc tgggaagagcc gagcacctgt gcccatggct tctggtcatt aaacgagtta 840
atgatggcag aggagcttcc tccccacttc gcagcgccac attatccatc ctctgagata 900
agtaggctgg ttttaaccatt ggaatggacc tttcagtgga aacctgaga gtctgagAAC 960
ccccagacca acccttccct ccctttcccc acctcttaca gtgtttggac aggaggggtat 1020
gggtgtgctc tgtgtagcaa gtactttggc ttatgaaaga ggcagccacg cattttgcac 1080
taggaagaat cagtaatcac ttttcagaag acttctatgg accacaaata tattacggag 1140
gaacagattt tgctaagaca taatctagtt ttataactca atcatgaatg aaccatgtgt 1200
ggcaaaactg cagtttaaag ggggccatc agtgaaagaa actgattttt tttAACggac 1260
tgcttttagt taaattgaag aaagtcagct cttgtcaaaa ggtctaaact ttcccgctc 1320
aatcctaaaa gcatgtcaac aatccacatc agatgccata aatatgaact gcaggataaa 1380
atggtacaaat cttagtgaat gggaattgga atcaaaagag tttgctgtcc ttcttagaat 1440
gttctaaaat gtcaaggcag ttgcttgtgt ttaactgtga acaataaaaa atttattgtt 1500
ttgcactaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangggg ggnn 1614
```

&lt;210&gt; 1712

&lt;211&gt; 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1712

```
aattcggcac gagtagatat gaagatacca ccaccaccac caccgctatc catacctagc 60
```

1075

```

ctaaagatgt agagccctct gctggggctg aggaggagct gtgggggtgct ttctaagtag 120
actttccacc agcccgctctg gtttgtctag tcccattttc accccacatc cagagttact 180
attattacca actcctgagc atttgcagga ttctgtagta tgaattggga tgcttcttgg 240
ctttccctac agccagctta gaattgtgct ttctcaggtc tactaagttc aataccatcc 300
ttcagcctgc tctccagttt ccaacatggt actgttaagg ccttttccct cattttctat 360
cattgtgagt atgtgccctt tgaaaaccct tttgctgtca tttttgtggg atttggtgaa 420
gaagcagtgg taaatgcatg tattattctg tcactctaatg gttcaatgtt agctcttctc 480
ataagtgggg atgttaggnc tcagttgctt tctctgntga aatgaggngg 530

```

&lt;210&gt; 1713

&lt;211&gt; 728

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (572)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (625)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (724)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1713

```

gagaattgag gttgcaaggc tggctaactc agctttgcct tcacgagccc tagaggccag 60
ccgaagatgt tctgcaggtc agggagacag gaccaggtaa cccagctgty actgaagatt 120
atatagagtt tgagaatggt ggaatatattg aaaatgctcc cccaaaaaag ctgctgatga 180
gttctggaaa tgtcaggaga ttaatctata cggacactgc tgaagaaaaa ggtagaagaa 240
taaaagatcc agtacttctt cctgggtaag cagttatgac cagagatgga accggcaact 300
ctttggccag aaagctgtat ccaaaagaca gagaagatga gaaacaggga gggcaaaggc 360
gaaaaagcaa ttggacatga tagctagatt tgtttcagga aaacatcctg ctttccaagg 420
atntagatga atgtttttgt tcaactggtga ctgaggtaac acgtcttnca agaagccata 480
ggggagggttt gagggaggga agtcaagaag ggaggttgag gactgcactt ttgatttact 540
tctgacttca cgagtcactt tctggccaaa gnaaatctct ccttttgctt ctagcaccga 600
ctagatttcc cttcagcctt gatgnatttg gactccccag aaattccgaa aagaaaactg 660
agttccccac aaaagctctt gttctgatcc tgggagcttc gccagcccca gttccaatta 720
atcnttcc 728

```

&lt;210&gt; 1714

&lt;211&gt; 1595

1076

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1592)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1595)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1714

```

ggcacgagga aagctccaca cacacagccc agcaaacagc agcacgctgc tgaaaaaaag 60
actcagagga gagagataag gaaggaaagt agtgatggat ctcatcccaa acttggccgt 120
ggaaaacctgg cttctcctgg ctgtcagcct gatactctc tatctatatg gaacccgtac 180
acatggactt tttaagaagc ttggaattcc agggcccaca cctctgcctt ttttgggaaa 240
tgctttgtcc ttccgtaagg ctattggacg tttgacatgg aatgttataa aaagtataga 300
aaagtctggg gtatttatga ctgtcaacag cctatgctgg ctatcacaga tcccgacatg 360
atcaaaacag tgctagtgaag agaatgttat tctgtcttca caaaccggag kcctttcggg 420
ccagtgggat ttatgaaaaa tgccatctct atagctgagg atgaagaatg gaagagaata 480
cgrtcattgc tgtctccaac cttcaccagc ggaaaactca aggagatgtt ccccatcatt 540
gcccagtatg gagatgtrtt ggtgagaawc ttgaggcggg aagcagagaa aggcaagcct 600
gtcaccttga aagacrtctt tggggcctac agcatggatg tgatyactrg cacatcattt 660
ggagtgarca tcgactctct caacaatcca caagaccctt ttgtggagag cactaagaag 720
ttcctaaaat ttggtttctt agatccatta tttctctcaa taatactctt tccattcctt 780
accccgagtt ttgaagcatt aaatgtctct ctgtttccaa aagataccat aaatttttta 840
agtaaatctg taaacagaat gaagaaaagt cgctyaacg acaaacaaaa ggtaaaatct 900
gatggtgggt aaatgacgat gtttaggttt tgataaattt agattttata cacatgatag 960
agcatgtatc tgtattttta aaaataaaga cagagaactt atgtttagaa caagagaagc 1020
catttggtag aaataaagaa ggagattggg gaaggagatg agaatgagtc agagagatag 1080
catttaaaac ttgaaatcag gcacaacaat tagtatgtca tgatataaac agtattgaga 1140
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aaaatatatt ttactggtat tgtgctttcc tcatatcaca gattggtaaa gaatcatttt 1260
aagtccaaga ctcttatttt acatattctg caattaaagg tcctatgagg ctacctgccg 1320
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cttctctgag aattgagggt gcaaggctgg ctaactcagc tttgccttca cgagccctag 1440
aggccagccg aagatgtctg caggtcaggg agacaggacm aggtaaccca rctgtcactg 1500
aagattatat agagtttgag aatgttgga tatttgaaaa tgctcccca aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anggn 1595

```

&lt;210&gt; 1715

&lt;211&gt; 591

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (166)

&lt;223&gt; n equals a,t,g, or c

1077

&lt;400&gt; 1715

```

aaagtagggg ccggaattcc cgggtcgacc cacgcgtccg cttgctagtg tcccctgatg 60
catgaaggat ccccccattgt catagggtccc acctgcctgc tgtgcatccc ggggtggccag 120
actcggcttc tccaggtgca cttgtcccag gtggcccggt ccgtangctg raagggcagc 180
tgcaggtgca ctgcctcgcg gacaggttag gatatggcca cgcagccatc catcttctac 240
agcacgcaca cccactctc tccccagtc aatatgtctc tctccgatgg gaaagttaat 300
aaatstttgct ctagattaaa agtattgaty atttcatttg taaacgataa ataaaaaggg 360
ggaacttttc attgcgccag ggggtggcacc tggcgtgtgt tgcgggggtg attgcgctgg 420
ctgccggggg gtgggcttct catatgcatt ctggccggcc agctgcattg atttcctatt 480
agtctcccag caccacccag taacacatca tttcagtacc tgctattaat ggtcttttga 540
taaataatca cttgtaagtc aataaatttt tattaaacag traaaaaaaa a 591

```

&lt;210&gt; 1716

&lt;211&gt; 1974

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1716

```

tacttttatt tttcaaaaaca aattcactaa aaataacacc tattgatttt gaagtcactt 60
ttctcaaac ttgaaaatga gctctaggat ctctataaac atttctaaca cttttcctgt 120
agtttatata gacagacatc tgttgtaga cctgtgtgtt tttaaagaat catatgttaa 180
caaataccca tgcaaagagc ttcaaaaagt gaaaccgtgt taaaggaaca caatsttttct 240
cactcagaca tatttggttta ttgaattgca aagttttatt ttaaatcagc atttcccca 300
agaatatatc atatgacgct agttccaagg ggcttgactg agtgggtgtt tgcgtggggg 360
agacaggggt ttgttaatac actttactaa atactgagct gaaaaatgtt aaatagattt 420
cacgattgcc tccttgaaga ttttaaagtt cattgtgggt cttcaaggcg aaatccggtg 480
aaccattcct cacacttacc tacaggactc ttttctaatt gagcatcttg tgaagctagt 540
gggttttttt gttgttggtta tttgtttttt ttttttaatt ctttagaaaa cacagcttta 600
ggatattgac tttttgttta tttctatttt caaatgctga aaagtcaagt cccagtttga 660
ataccataga aaagctttga tgcatttgta aattatattg cactctttca ctatatattt 720
tcaaaatcac tggaaatgtg ttatacaaga gaattataat tgtgtattgt aaataacata 780
ttaaaataca tatattaatg ccaatagtta aattcaacaa tatgtaatct aaggtgctcg 840
gttctacatg aagtatgagt taactgctca taattaagtt gccaaagattc tattatatat 900
ttatagacaa attaaaatga tcataattac aaatatgrtt tctttatcac ttaagctttg 960
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aatttaatta tttatatatt aggaaaatat atttgaataa aattaatgca ttttctagag 1080
taaatataaaa tgttatttagc aagaaataga aaatttgact aagataattg tgtatatgaa 1140
tcatttttcc cccaagttaa aatgtatcat aatagagagg ctctaataaa tcaattttcca 1200
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tacagtcaat gaatcaaccg agtcactttg aggaatttgt tttgtccaa tttgctctgt 1380
gctcaatccc atgaattatt aaattttaca tgtttgtccc caaatgaaaa ccaatataaa 1440
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agtgagtcct ctggtgcagt gacatccttt taagccatct catagggatt taaagaaggc 1560
caataggaat atagatattg gtttttcttt ctctgacttg aactaagtag gagaaacca 1620
accataaac tattacaaac taccaggca gaggcattta ctttaattcat caactagtgc 1680
aattaaaacc ctgaaaacac atgatccttg ttgactctgc ttggttgaag caggaaagaa 1740
tggtcttgat ggtcagaaaag ttttaaaatt aatggkcagg gcctttcttg accctgtttt 1800
ccaaacacgt tagatattcc gtcttgaggg gattggagta ggctacagtg agggggtaat 1860
ttttggatgt atctggactt ttaaaaaatg tgcctatatt tatagacca tgaatattat 1920

```

1078

gtaaaatttta tatatgaatt aaataaatat tcmctctga aaaaaaaaaa aaaa 1974

<210> 1717

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 1717

```

cganacntcc tcactaaagg gancaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcagcagc ttctttctcc cgcgcttctc 120
tgtactgtgc attcctcatc aacgatggct tctcggactc cacgaaactg cgctgtactg 180
aagggcggaag tggatctgac cgcactggcc aaagagcttc gagcagtgga agatgtacgg 240
ccacctcaca aagtaacgga ctactcctca tccagtgagg agtcggggac gacggatgag 300
gaggacgacg atgtggagca ggaaggggct gacgagtcca cctcaggacc agaggacacc 360
agagcagcgt catctctgaa tttgagcaat ggtgaaacgg aatctgtgaa aaccatgatt 420
gtccatgatg atgtagaaag tgagccggca tgaccccaty caaaggaggg cactyttaat 480
cgkccgscag accccagatt actacagatt tctccatcta gcgggaacaa cagtgcacac 540
tgtggggggg attttcctg                                     559

```

<210> 1718

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<220>

<221> misc feature



1079

&lt;222&gt; (831)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1718

```
tgtgtaatat gttctgtgtg agcctctgca ttaaactcga tttcttgggc aattatggaa 60
attccagtggt ggcctgcagtt taactttgca ctctctatgc atatgaggtt tcctaaataa 120
atgaggagta gcatagttta aaatatatat atcttataac tttctacaac aaagaattat 180
tgagtccaaa tgtcatcagt gctcattttg agataccctg ctatcgatgg tcgctacaaa 240
ccaggaaata ctcaagttat tatgtgtata cattggtttt agttttatga aacaatttac 300
cttcatgata tcatagttaa aattgtaata aatttaggaa tataaaggat caatatggga 360
agcaaaatct cttaaaggcag tttctgttgt ttttaattagt atttgtgtag ttcaaaccag 420
gaaggatttg actatcatta gattttgctt aactttatga aagctaaaat attctctgtt 480
ataaaggggc aactccatct ggctctatag catctttact actgattttt ttttktttta 540
tttgaaaatg caaagaattg ttaaatgttc ttaaatgttc tcactacaaa aaaagaaaaa 600
agataactac gtgaggtgat ggatatgtta attagctgga ttgtggtaat cattttggaa 660
tgtatatgta tatcaaaaca tgtagtacac cctaaatata tataattttt atttgtcaaa 720
tatacctcaa taaagatgga aaaaaatcga aaaaaaaaaa aaaaaaaaaa aaaaaanaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naac 834
```

&lt;210&gt; 1719

&lt;211&gt; 806

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1719

```
gaaaaaagaa aaattgaaga acataacttt tctacttatg aaatagataa ttttttaaaa 60
ttgttttaaac tcctggaaat taagtgttat tttttattac tgcagttgag agataccttt 120
tcagaggaaa acaagagggt aaattccatg ttaagagcta agtagtattt ttttcttaac 180
aattttgcca aaatttcttc tactggacca aaaggaaata aatctacaat aaatctactt 240
tctaaatatt atttaagatg ggaaatgtct tttataggta tattctgtat aataccctta 300
attagatgaa ttatccctta tcattccaaa aatgaaatgc tgtgttaaat atctccaggg 360
caaagtggta tgttgactgg gacaaacgtt agaaattgta ttgttcattg cacttgttgc 420
cctgttcccc aagcttgtca atgtttagag atactattcg ggttgctaaa gccattattc 480
atagaaaatt tctgcccccta cagaagtgtg tgcattgggc ttggaaaatc tacatgtgta 540
tatctgagta gcgaagcaca gattcactct aattgaaagc agcagtttgg ttttgtaaat 600
gtaattgcaa ttgacacttt cttttccctt tcagttatta ttttttttaa aggacgttat 660
gagaaggcac tatgaaaagc ctaattggaa tagcattatg aaccatgtaa tgcattgcca 720
tgcacactgt gatttgcaaa catatgtccg ctcttcaata aatgttacgg ctttccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaa 806
```

&lt;210&gt; 1720

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (387)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1080

<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<400> 1720  
gccagatcta tttgcacatc gagagggttc tctgtccctg catggggtca gtgaccttat 60  
cccacctcac tcccaattcc aggtagttag gcaggatgag gctgctccca gccactgcc 120  
acatccagat tcagctgctg agtttatccc acaggaaaga ggtagcactg acagcgtgca 180  
cgctgtggg tgacgcatga tcttcaggag cagttcacca tgcgctgagc agggccagta 240  
ggaggcagct gtggaaggcc aggtacagca gcttcatggt caccaaataa gcctgacact 300  
caagcagaca gcagccaccc ccatgcagcc tcagctgcag ggccccaggg ttgctggcta 360  
cggcaggagc agcttcagtc atacgtnttg cacaggcacc catctgcctg aacctgac 420  
cctgtgtnan gcaaaaaatg ttattttaga aaaaaaggga aggttttttt aatactgacc 480  
taacttttng ttttattaaa ctnaa 505

<210> 1721  
<211> 679  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>

1081

<221> misc feature  
<222> (637)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (649)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (655)  
<223> n equals a,t,g, or c

<400> 1721  
gagntcagcc tcactaangg aacaaaagct ggagctccac cgcggtggcg gccgctctag 60  
aactagtgga tcccccgggc tgcaggaatt cggcacgagg tccggcgggc cgcgcctccc 120  
gcaggccccag aagacggccg ccttgccccg gacccgcggc gccggcctct tggagtcgga 180  
gcttcgcgac ggcagcggca agaaggtagc agtagctgat gtgcagtttg gccccatgag 240  
atttcaccaa gatcaacttc aggtactttt agtggtttacc aaagaagata accaatgtaa 300  
tggattctgc agggcatgtg aaaaagcagg gtttaagtgt acagttacca aggaggctca 360  
ggctgtcctt gcctgkttcc tggacaaaca tcatgacatt atcatcatag accacagaaa 420  
tcctcgacag ctggatgcag aggcaactgt caggtctatc agatcatcaa aactctcaga 480  
aaacacagtt attgttggtg tagtacgcan ggtggataga gaagagttgt ccgtaatgcc 540  
tttcatttct gctggattta caaggaggta tgtagaaaac cccaacatca tggcctgcta 600  
caatgaactg ctccagctgg agtttgagga ggggtgcnatc acaactgana ctcanggctt 660  
gttacttaag tattcactg 679

<210> 1722  
<211> 619  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (562)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (595)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (613)

1082

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1722

```

gcggaackcgt gggaccgagc ttggttaagca gaatagaaaa catccagaat gacatcagtc 60
tggttaagctt tgaaggaaac aaccaaagat ggtcaacaca actgcttggt cttttattta 120
ccatttcaca cctggtgcag tcaggaagct acatttaaaa aacaattttc tctttaaaaa 180
gaaaaacaac ccgtagtcaa aaaagcactc atttgccata aagctggaag gattcattca 240
ttggagctga ttgttcacat ttgtagaatt tagaattttg tgggtggaag gggccttaga 300
gttgaataag gtcttcaaaa ggaaacaaaa ggctcttgct ttctgtatga acagagtta 360
ttcacaagtc agttttccgt gatctatgag gagtgatctc agacaattag ctaattgggt 420
gaggcaggtg acctatcagc tctgkararg ggatgkttgc tcttagggat ctacmtaaag 480
aacatatctt acacttttyca tgacagtcaa aagcagcccc attaatcctn ctatgkaatg 540
gccagtcata accacagatg angagtgcac ttcatgaaaa cccttaacag ctgtnaacag 600
ttgatcactg gcnccata 619

```

&lt;210&gt; 1723

&lt;211&gt; 852

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1723

```

ggttactttc ctgcgattat aattcttctt tgactttggt cacttttagat gttttactag 60
tgagttttga tgactccac cccttatgtg agaatgtgca tactttggaa acttgaattt 120
atccaaacaa gctacctatg acttagagtt tgggcataag ttttaaattc aatgctcaag 180
tcgaactgga tctggtccag gccactcca aggggtggtt caggggtggt ttttcagkac 240
ttgtccaga ccacacaggt agsettgktt ctgarggcag ctttatgggr aggtgtagaa 300
ggtggtgggc agcaaagca ctgcagagtc attttcttgg gtatggtggt taagaagcct 360
gagattttca caagaaccag caaaaccagg agtggagagt tggggagata gagaagtagg 420
cctaaaactc cctcttcttg agtctttttt gacttaatac accattgggt ctgtcctggt 480
gctatggcct atcaciaaagg actgttttaa gagagaagca agccacagcc ttgccagata 540
agtctccaac accagcagaa aagcacggac cctgatctgt gggaggcaag ggtctcccat 600
tatttctgga ggcaaaggt gccttctagt gaaatgggtg caccatttgc tgatgggggt 660
gcctgttctc aggatgtgtg gaaactcagg cctgaggggt tctacatggt ttattcaatc 720
taactgcata cctagcttgg cagaatggag gtggacaaaa gtgctgaaag gatgagggta 780
ggcttttagg gcaaatcaag tcacaaagca gatgattgag ggaggttaca aagcttaggc 840
agagttaaag tt 852

```

&lt;210&gt; 1724

&lt;211&gt; 697

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1724

```

catcagaccg accagcccaa gaaacatctc accaatttca aatctggcac ccactggaaa 60
tcagactgcc cagctcgccc gacagccact cctggagccc cttaaagctct agcccaaggc 120
tctctgactc cttcccagat ctattcggct tagcgactga agattgacgc tgcccgatcg 180
cctcggaagt cccctggacc atcacagaag ccgagcttcg ggtaactctc acagtggagg 240
gtaagtccat cccctgttta atcgatacgg gggctacca ctccacgttg cttcttttc 300
aagggcctgt ttcccttgcc ccataactg ttgtgggtat tgacggccaa gcttcaaac 360
ccctgaaaac tccccactc tgggtgccaa ttggacaaca ctcttttatg cactcttttt 420
tagttatccc cacctgccca cttcccttat tagggcgaaa tattttaacc aaattatctg 480

```

## 1083

```

cttccctgac tattcctgga gtacagctac atctcattgc tgcccttctt cccaatccaa 540
agcctccttt gtgtcctcta acatccccac aatatcacc cttaccacaa gacctccctt 600
cagcttaate tctcccactc taggttccca cgccgccctt aatcccactt gaagcagccc 660
tgagaaacat cgtccattct ctctccatac caccccc 697

```

&lt;210&gt; 1725

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1725

```

ctgtgaggtg aggcaggtgt ctagattccc tactcagctt acattaagtc caaaatgtgg 60
ggacgtctct tattactgcc tgggtggggat ggaagtccat tgacactgct gggagaagga 120
ggttcattgct ggccagttgg gatgaaagtc ttagctcccc acttgggtctt ccctgacacc 180
actgcagtggt ggtgttgggg tgccccttta cagccttttg agtgtgggat tctaggatcc 240
ccacttgacc ttccctgggt tgggcagagg ttttttcttt ggtgtctggt gggagtagag 300
cagctgtcat ctaaaagtgt tctgtcttgc tgggacgtcc tgttctgggc ctttagctag 360
agagagcatt cttttgttag tactttttwt gctgtgtctg ttggcattty catgttgctg 420
gctttttcaa ctncaaactct gggatatatg ntgtaaaaag aaaaccca 468

```

&lt;210&gt; 1726

&lt;211&gt; 482

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1726

```

gattgaggcc aaagttataa agatgggctc tgcgtctact aatattagta aaatgggttt 60
gggacttact aacatttgtg cttagaagag acagacctgg caaagagctt ggagaagtga 120
gttccaaaga gagaggtgtg ggaaccagga tggaagagtc aggcctccag atagcgttta 180
cttctccttt cttccttgaa tctactgtctc asagataatt aggttcagaa gaggaggaaa 240
aaaaagatga ccgtcaacat ggagcagagt ttttcttaga ccttagccta gcaaggaaaag 300
agaaatgcct ggtctcagtg ctgggaagct gttycagcca gagccccgtg gctgtgaaga 360
gagctctcct gyctggagcc aaacagaaaag ctcatagggtc ttgaggccag aaaagttagt 420
aggtggcggt tctggtcggt gctggaaatg gaggccagga tgaactaaga agcaaactaa 480
ag 482

```

&lt;210&gt; 1727

&lt;211&gt; 1897

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1084

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1202)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1727

```
gctgctgcag cagcagctgc tctgcagagt ggtggccggg gccagggccg ggggtgccctc 60
cctcccacct tctcccgcca tgagccaggg aagtccgggg gactggggcc ccctagatcc 120
cacccccgga cccccagcat cccccaaccc cttcgtgcat gagttacatc tctctcgctc 180
ccagagggtt aagttctgcc tcctggggggc attgctggcc cccatccgag tgcttctggc 240
ctttatcgte ctctttctcc tctggccctt tgcttggtt caagtggccg gtcttagtga 300
ggagcagctt caggagccaa ttacaggatg gaggaagact gtgtgccaca acggggtgct 360
aggcctgagc cgctgctgt ttttctgct gggcttccct cggattcgcg ttcgtggcca 420
gcgagcctct cgcttcaag cccctgtcct tgttgctgcc ccacactcca ctttctttga 480
ccccattgtt ctgctgccct gtgacctgcc caaagtgtg tcccagctg agaacctttc 540
cgttctctgc attggagccc ttcttcgatt caaccaagcc atcctggtat cccggcatga 600
cccggcttct cgacgcagag tgggtggagga ggtccgaagc gggccacctc aggaggcaag 660
tgccgcagct gctattcttt cctgagggca cctgttccaa caagaaggct ttgcttaagt 720
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cntttggcta cttccagcag gataccaagg gtttgggtgga ctcccgagat gtggcccttg 1260
cactagcagy tctggatggg ggcaggagcc tgggaagagc aactcgtctg gcctttgagc 1320
tctttgctga agagcaagca gaggtgccca accgcctgct gtacaaagac ggcttcagca 1380
ccatcctgca cctgctgctg ggttcacccc accctgctgc cacagctttg catgctgagc 1440
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atgacccact ctatgggaaa ctcttcagca cctacctgctg cccccacac acctctcgag 1560
gcacctccca gacaccaaatt gcctcatccc caggcaaccc cactgctctg gccaatggga 1620
ctgtgcaagc acccaagcag aagggagact gagtgcctca gcctctcacc cctcctcct 1680
cagggcagcg ctaggggcct cccctatgcc tcagcccat ctctgctcct gtttgaattt 1740
tgttattgtt gtttggttgt tgttttttta agttgatttt aattttttgt ttggttgatt 1800
tttttgtaaa aaactatttt atatataaat ataaatctat atctatatct attaaaaaaa 1860
atgaagtcca aaaaaaaaaa aaaaaaaaaa aaaaaaa 1897
```

&lt;210&gt; 1728

&lt;211&gt; 523

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1085

<222> (485)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (504)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (509)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (521)  
 <223> n equals a,t,g, or c

<400> 1728  
 gcagatattt ttcataagat aaatacccac agtgtatagt aatgaacctg gataataaat 60  
 atcttccagc aaatatattt cttagaagac gattatattt tttaaatttt gagattaatt 120  
 gaatatatac aaacagaaaa ttaggtacaa atttattatg tttatggctc ttatacaact 180  
 atcaaggtaa aggaaattta ccaattaaat acaaagtagt aaaattcaaa atcacaataa 240  
 ttaataatgt tctgctgcta caaaatgaga tggtgggttt aataatagaa ggaagtagca 300  
 ctgttgaaat agaattaaat gggctcttgaa ttcattttgtg attggaatca gaagtcgcga 360  
 gttctgaaag ggtaagggtt actgcaacat tgctaataaa taatttcaag atgaaatata 420  
 caaagatgag atccaagctc taacattttac ttgcaacatg aatatggnac tgggttcttc 480  
 tccgncccca tctcattccc cctnctctnc tgctgctggt ngg 523

<210> 1729  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (45)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (51)  
 <223> n equals a,t,g, or c

<400> 1729  
 ccggtccgga attcccgggt cgacccacgc gtccggtaaa attgnttttt ntataccaat 60  
 atatgcatgt tttgtgcatg agtagtactt gtgttgatac tcctgttgat gttaaattac 120  
 tatataatat aaacagtatg tgtttttata tatcattgtg taaatttaaat ataacatatg 180  
 cagtaataaa ccatttggtt tactgctggt aaaaaaaa 218

<210> 1730

1086

&lt;211&gt; 580

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (414)

&lt;223&gt; n equals a,c,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (555)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1730

```

gcaaaagtgt gcacagactg tgattttattc atttgttgtct gtgacttttaa cccatcattg 60
atgctctcac ttaggtaaac cctaaagacc aaactagcaa cactagtcaa gggagtgact 120
ggagttatatt ctggttagcag tagccactgg catcctagaa acacatggac atttgtagca 180
tgaattgacc tattggtagt gcaatagcta tacatgattt ttattcttgg caaaagaaaa 240
tgcttcaaaa aaaaagtgat caaacctgca cattgatcct gtaatagcaa atggaaggct 300
atttctctgt actagcattt cagctttatg tgggaaagtt acccgttctc ctgcaagtac 360
aatcaaccct tgatgactta agtattaatt attctgggtg taactcacc aagntttctt 420
cctacatctt ttggctaatt ccaccacacc tcagcataca gtcagatggg aaaaggggca 480
ggtggattct catgtcatgc cytcttgkac cttattttca agttttgtgg tggargaggt 540
twaatatctg ccaanaatct ggatttttag cccgggtgcg 580

```

&lt;210&gt; 1731

&lt;211&gt; 637

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (586)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (593)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (616)

&lt;223&gt; n equals a,t,g, or c



1087

<220>  
<221> misc feature  
<222> (619)  
<223> n equals a,t,g, or c

<400> 1731  
ggagatttag aagcttcact caaatattaa gctttattta aaaagatgat ttccagtatt 60  
tcattttata ttcacattaa tcaagtctac atgtttcggt tagagtaaca ggaagatggt 120  
aatacgccca gggaactatc tggaagtgtg gaaattggga tgaacaccgt gggtatactt 180  
gttttgatct gcctgtgggtg ctatgatgac ttattttctc tcattattgc atagaaactc 240  
aattcagtga tgttattcag atgttattca taagttattg ccatgattca tcaactttat 300  
gtcatcagag ttgggatggc taccanaat aggggatcct ggagatttcc ctgtagacgc 360  
tttgcattha taaataatcc tttatcaagg gcagagggtt ttctgtagga cttctccctt 420  
agaagaactc agcctgggta gaaatcagag gattaacatc agcacatatt catctccaaa 480  
aaattttcct cccattact cacacttgcc aataaataac ttgctttggg taaatattca 540  
gcactcagtc ttagtccaaa gcatttgctc agcaatcact gtgtanagta canagtaagg 600  
gggataccac aaatanaant ttgctctatt ttcttaa 637

<210> 1732  
<211> 423  
<212> DNA  
<213> Homo sapiens

<400> 1732  
cacattttct tgcttctttg catgtttctt aatttttttt attgaatgcc aggcattgta 60  
tgtaaaggaa tagtagacaa taaagtaata ttaatgacca gaaraaaatc atttctcctt 120  
agtcttatta ggccactagt gggctggggg gtggggagaa gggtggtgct gactgaatca 180  
tttaagtgat tttaatttgt aatatatttg catgtattag ctgcttctac taatcactta 240  
tttgccata agccttgcat ctagaaatat ggcaatatag gaatattact gctttctgaa 300  
gtttcatatg cttctcacct tttattttat gtttgatgat tttaatatat ttccctgcac 360  
agagtagtag gaatatcttt gcaacattaa gaaatacttg gtatgggtta cttacttaca 420  
ccg 423

<210> 1733  
<211> 1281  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1277)

1088

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1278)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1733

```

agtttgctgg tcttccaata ccgaagaaag ggtgggttggtg acaatacctc ttgctttctaa 60
agaatgtatt ataaaaacacc gcagattttt ttttttcctt aaaaaaact acctgatgct 120
ttccttggtc gtgggggattg tggtcacatg aagctctttc tgcatacagta ttaagggtgta 180
tatttgaatg tcttccccctc ccttttcccc tccaggctgt gtagctttga ggggctgggc 240
gtttgctcac gaccttgctg tctcgtcag aacatgctcc gcaaagttct ccgcacacac 300
ttcttcccc tcaagcccat ttcttcccc aaccacaaag gtgtttgtga ttctcaccc 360
cgggaaacca aggagctgca aagkggagtc tggttcagcc ccgtgcagac tcaccagag 420
cttaancgtt gtctttcaaa caccctgagc cttcctaaac agccagtgc gacgttctct 480
ctggggccacg aagccccctg ggtcctcccc gtccccctgst ccgatgcata cctcagtgc 540
gaaccacaga atctctgcag cggaaacgcc gtgcattctt tgtctgttgg cagcgagcac 600
atcgtgctgs gagacacgag tttctaagca gctggcacga gggctgctga cggcatgggt 660
cgtgcttcag ggtggcaata cctcttagga acttagggca ggaagcaata cttcagcatt 720
gaatgtgtgt aaatagttgc tttgagttgc aattgctatt ttcttctcag tcccagctca 780
gatcgaatta tatatccata tatatatata tatatatata tggtaaacaa gcacacacaa 840
ttttatccaa tgcaaacaaa tgtagagcat cagttacaaa accctcgaat agcttgagag 900
ccccacaggc tctgccacac ccgtgacttc atccacactg acgtcacccg cgggggctcc 960
ccctgcacat ttgcacacga tccggagagc cgaaggccgc gtgcttcctg tcacatgggc 1020
tgtaatcatt tgtagtttcc aaagacacgt ctgcatttga atttctagat ttctcaggtg 1080
aggagttttt ttttaattggt tgtttggaaa atcacatcat gcctagaatc tgaaattgaa 1140
ttagcaagaa ccgactgttt gcattttcca tatatccttt tatctgctct ttttaaattg 1200
ttaattctaa taatttcaaa atgcattcac tgaagaaatg gacattaaaa tattctaaaa 1260
tttaaaaaaa aanaaannaa a 1281

```

&lt;210&gt; 1734

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1734

```

gttttaagaa tgcagcatgg gtctggcttt ggaattgant tcaatgctac agatgcgtta 60
agatgtgtaa acaactacca aggaatgctt aaagtggcct gtgctgaaga gtggcaagaa 120
agcaggacgg aggggtgaaca ctccaaagag gttattaaac catatgattg gacctatrc 180
rcagattata agggamcctt acttgagaa tctcttaagt taaaggttgw atctatatga 240
tctgtttag gtacagaaaa attgaaagcc agaga 275

```

&lt;210&gt; 1735

&lt;211&gt; 1031

&lt;212&gt; DNA

1089

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (796)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (821)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (976)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1735

```

gagccaatct t gatggtggg tgtggcatta tgtgtcact ttattgagcc tatgttaatt 60
tcttttagcat gctcccccta aattgaaata gtgatgtagt aaatattcag aagcgatttt 120
cttttgcat tttacctaac caaggaaacg ggccacacac cttggtttag ggatgttgtg 180
atagcttacc ttccagtttt taagaaatgc ttcctrcaac tgctgtcaac cactgtattg 240
tctttaatga acactgttgt atcccatcct aattcttgta ctgaaatyat ttctcatgaa 300
agtttctcta atatttctaa tgaaagtttc tctaatttgg gggcataatg tactaaraat 360
cagtttgctg tatattagaa taaatagtaa cagtaagtca gcaggattat ccaaacaaaa 420
gactaggttt tatgagataa gcttgattta agaaaaaac aattaaagta tgratatcmg 480
aaatactgtg kgtttactct cagatttttag ttggttggat ttaatatcaa gataactagc 540
tgctaagcgt ttcataattc tcacagtgat attagatttc aaaatgacac tgagagaact 600
gaaaaactac atcagtcaaa ttcattgtat tatatcatat agcctttaac tttttacatt 660
aatcagattc ttagtaaaat gcagmctgta tacctaaata ttaaaatatt tacttttata 720
atcttacctt ttatttcaat ataaataaaa ttcttcttag gttaaaaaat taatttcagt 780
tgtgtttatg ccaganggca ttgccttagt tgggtgcaagc nctcaatatg tttcattctt 840
ttttatagtc tttcacattt ataaggaaaa gccttatctc caactgaaac accagtctta 900
ctactacggt tttaaaagtt gttaatgatc cattatctat tataaggcct ttatttacat 960
agcaaattac ttaacnttta ttttgaatat aacagatttt taaaacggga cttttaaagg 1020
agccctaggg g                                     1031

```

&lt;210&gt; 1736

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

## 1090

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (320)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1736

```

ccaactgccc gttcaaggcc atgggttggt tggggcccag gaagtgctga accatgtcct 60
aagggaacatt gagctgttca tgggaaagct ggagaaggcc caggcaaaga ccagcwgga 120
gaagaaattht gggaaaaaaaa acaaggacca gggaggtctc acccaggcac agtacattga 180
ctgcttccag aagatcaagc acagcttcaa cctcctggga aggctggcca cctggctgaa 240
ggagacaagt gcccctgagc tcgtacacat cctcttcaag tncctgaact tcatnctggc 300
caggtgccct gaggtggcn tagcagccca agtgatct 338

```

&lt;210&gt; 1737

&lt;211&gt; 426

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1737

```

gacacacatt ataataataat gagttaagga aaaatgcttt gattcctata caatthttct 60
ataattgctt ttacacatct cattttcaga agcactcctt gttttttgtt tgttattgtt 120
gctgttggtt ttcttggttag ctagaagaag acataagcaa aaaaatggac aaagatgaag 180
aggctttgaa ggcagctcaa gcagaactca rggaggcccg acgccagtgg caccacctgc 240
aagtggaaat tgaatctctc catgctgttg aaaggggsc tgaaaaactcc ctacatgccc 300
gcgagcagca ttaccagatg cagctgcaag acctagagac tgtgrttgam ggwctagaga 360
aagagctaca ggamgttaar rcgckgcawc swaaagcagc tttcaagwgc acgwgatgnt 420
tnttca 426

```

&lt;210&gt; 1738

&lt;211&gt; 792

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1738

```

ctgcggggcgc acacagtacg acacgaggag aaagtgccat gtcacgtgtg tggcaagatg 60

```

## 1091

```

ctgagccccg ctgacccttt taatttttaa gartgttcaa tccgagatga atcatttgaa 120
gtatttttat atgtatatct atttaaaact aatatattat taaagcttaa ttgccatgcc 180
gtttatcttc tctgaaagaa cttcaaactct tacctgccaa catattcacc atnawttatt 240
ttttaatacc ttccatacaa taactttttt aaaamaacct cagattgaaa aagcaaccta 300
aattactttc gctctctaat cagcattttca atgtatttat ttttaaagt tctcaaaaag 360
taactaaaaa attgtgtcgg accctacttt tgagaaatct acgtttccca agttttatgg 420
gaactggcta ttccttgcc cggcacacct tctcattcct tcctttcaga gcctaaaacc 480
tcatttgata agcactccta gtctctggcc tgtggatcca gtgctattct gtcaccaacc 540
taagaatccc aattgcacct tctgtttctg acagtcacag gtgacagctg tgattctata 600
atacagactg gtgtcttaga ggtaggaata atacatgatt atgaagcatc accctgctaa 660
tacataataa tgtcttttta tattataagt gattgagttt agttcattty aatacattgt 720
acatgaaaaa atgaaaagta gaacttttga atactttaat caataaaatt aattaccaa 780
aaaaaaaaaa aa 792

```

&lt;210&gt; 1739

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1739

```

ctacccccctt gagactctgg ctttctatct tatagaacta ttttaatgat agtttaaaca 60
tgtataacctg tttactggta ttttctgttc cccttatctt gggagttcag cataatgctg 120
tgcggatcag gataacaagg tcccactgag gtgaaggagg gaggtggga atgctacagc 180
ctggagtggg ggtgtgattt cagtaggtgg aaggttgtct tcctgaaagg aattggcaga 240
agtagattct tactgattca gatacatctt ccaccaactg aaggaaggaa ttattaaagc 300
caatggtgaa caaagcattt caagcatttt ataggaagtg actagatgag gagatttttt 360
tcatttccttt tttaatcagc aaaaaagaaa ttagtattat tgaattagca gattcttcct 420
attctatatt aagaaagatt taatttttgt accaaggaag gttagggtg 468

```

&lt;210&gt; 1740

&lt;211&gt; 107

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1740

```

gcaactagcc acgagttgtg tttcatctga accttcaccc cctctctcct ggggactatt 60
ttgaaataaaa tctaagacat cagggccagg ctcagtgatg ncttaga 107

```

&lt;210&gt; 1741

&lt;211&gt; 485

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

1092

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (465)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1741

```

ggtttagctc attgttgaaa ctgtttgctt taattcaagt agtctagtgg aagaaagaaa 60
ggtggcatag tagcagttgc agaatgaaac ctggaagaga gaaagctatg tctaacaagg 120
gcagcagctc tgagttgccca gctagttagt agcagttagg atgagaagtg ctgaccaact 180
tttctgtatt ctgaaatctt aggggtcaaaa tatatttcat ctgtgtttta actgtgcagt 240
aggactgtaa agttttcaca atactttggc ttttccatat ttgtatgggt tgtatttagt 300
taatcttaat aaaaatttag acttcaagaa aaattgggag aggaggtgwg taattttgct 360
tgctttctcc tcgttggatg ttgggtctca taactctaatt attgagggtg aattttgctt 420
ttgtaaaatt ggactgaagc taagatcatt ccatgagagg ntcanaanaa cttgcacaag 480
tgcta                                         485

```

&lt;210&gt; 1742

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (374)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (398)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (401)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1742

```

gctggaattc attggatagc aaccaactct ccaaggcatt gttctcagta cagacctggc 60
ctgagtatcc tccaaatctg aactttttaga gatgaatcca aatcaataga gagcagagtc 120

```

## 1093

```

atagagagtt actgtcagag agcatccagt taaaggggtga atgccagagc ccatgtgtat 180
caatcaatag agtgccacat gcctatttga agtattatac caaagtgtga cacgtgcatt 240
ctgcgtttgt gctatcctat gcctatcatt taaagttgct cccaaagtaa gtcatttggc 300
tttccaacaa ggacattttc tttcatttta caacatgcaa tatatttgta acgacctggc 360
atttttctga attnaagttc accacccttt gcaggacnga naangactgc cg 412

```

&lt;210&gt; 1743

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1743

```

aagctggtac gcctgcaggt accgggtccgg aattccccggg tcgacccacg cgtccgtnc 60
tgctgccgcc cagcgcgtccg gatctactga gtaaagaccc ctgcctttcc tccccgtcag 120
gggtcctcca gtgcgtgatt tcttggttct ctcaggacat caatgatcat cctttggata 180
ggtagcgaag tcacattttg ctgttaagt gttgtttttc tattctttgc ccctttccgc 240
agcagcaggt ggggcctcgt ctatgcactg cgctcaggtg cagatgggat cgagataatt 300
gcttgaattc ttgtgcagac ttttgtaatt ctgcagtaga gacaaaagtc ttggaatccg 360
tgctatcaat gtaagaatgt tggaatgctg ttaa 394

```

&lt;210&gt; 1744

&lt;211&gt; 953

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1744

```

gtccggagggc agcagtgtcc acctttcaga cccagttgca ccatcttctg caggactgta 60
ttttgagcct gaaccaatatt ctccacgcc caattatttg caacggggag aattttmmag 120
ttgtgtttca tgtgaagaaa actcaagctg cctcgaccag atctttgatt cctaccttca 180
gacagagatg caccgggagc ctttgctcaa ttccacacaa agtgctccac accatattccc 240
agacagcttc cagggcacc ctttctgctt taaccagagc ctgatcccag gatcaccttc 300
aaattcctcc attctctctg gctccttaga ctacagttac tcgccagtgc agctgccttc 360
atatgctcca gagaattaca attcccctgc ttctctggac accagaacct gtggctaccc 420
cccagaagac cattcctacc aacacttgct ctcacacgcc cagtacagct gcttctcttc 480
ggccaccacc tccatctgct actgcgcctc gtgtgaggca gaggacttgg atgctctcca 540
ggcggcagag tacttctacc cgagcacaga ctgtgtggac ttgccccct cagcagccgc 600
caccagtgat ttctataaga gggaaacaaa ctgtgacatc tgctatagtt aatagaaatt 660
acagtaattc agaacatggc atgggtatat ctatttttct accacgtcta gatgacactg 720
caaaatatgc aacttggtta cacaatatcc caagcacagt ttacatgtca ctatttccaa 780
ttttctgatg ctaagcattc atatgaagtc ctcagaccgc gtcacagcgc cactcctact 840
ttgtatgctc atagttttaa tttttgtagg aaactttcaa ttgttttact ttttgtataa 900
cgaacaaatg ctgtctcctt ttttactaat aaataatttt gtattactaa aaa 953

```

&lt;210&gt; 1745

&lt;211&gt; 392

&lt;212&gt; DNA

1094

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (227)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (238)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (390)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1745

```

agttgatcaa aacggagggga caaaaaacgg ggtgggggtgg gaagcaggaa acagtctctt 60
aacttctcaa ggactcagct ctactaagg agnaatttcc tactgtctct ctgggatgct 120
attgtgatat ttaattaatt ggaattcttt tctcttatga ataatttctc tgagcaacag 180
ggtacaattt tgcataataag gcaatagaac tatagggagg aacaagntca aatgcttncc 240
tttcaagaag gtgccgtata cgtcttatat aaaaatatac attccattaa tcttatatcc 300
tctccctaac cactaaaatg caaatgaaaa tatttatata agacgtatac ggcaccttct 360
tcaaagtctt ccttttcaag aaggtgccgn at 392

```

&lt;210&gt; 1746

&lt;211&gt; 533

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (486)

&lt;223&gt; n equals a,t,g, or c



1095

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (515)  
<223> n equals a,t,g, or c

<400> 1746  
cctccctgca gnttgagatg tgtcnaagag acaggctcta atacgactca ctatagggaa 60  
agctggtacg cctgcaggta ccggtccgga attccccggg cgacccacgc gtccgagatc 120  
agttggcctt atttcctcag tggaaatcta ctcaactatga tgtggtagtt ggcgtgttgt 180  
cagctcgcaa taacatgaa cttcgaaacg tgataagaag cacctggatg agacatttgc 240  
tacagcatcc cacattaagt caacggtagg ttttctgagt tgttgccctg cctggtttat 300  
tgaaataaga gttctgaaaa acctagccag gcgtagtggt gtgtgcccgt cgtcccagct 360  
accggggagg ctgaggtgga aggattgctt gagcttggaa aattgaggct gcaktgagcc 420  
atgattgcac cactgcattc tagcctgcac gatgggaatg agtcctgcc taatttaaaa 480  
aaaaanaaaa agggccggcc nccttttcgg gcggnccccg tttcccagga caa 533

<210> 1747  
<211> 251  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<400> 1747  
agatgctata aaagtaaaag aatataataa tttgctcaat gctcttcaga tggattcgga 60  
tgaaatgaaa aaaatmcttg cagaaaaatg taggaaaatt rctgttttgc aagtgaatga 120  
aaaatcackt ataaggcaat atwcarcctt agtagaattg gagcgacaac ttanaaaaga 180  
aaatgagaag caaaagaatg aattgttgtc catggaagct gaagtttgtg aaaaaattgg 240  
gtgtttgcaa a 251

<210> 1748  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)

1096

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (355)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1748

```
gcatgtgnga gacgtgattc tggaagtga cgggtatcct gttgggggac agaatgacct 60
ggagaggctt cagcagctgc ctgaggetga gccaccctc tgctgaagc tggcagccag 120
gtctctgagg ggcttggaag cctggwtcc ccctggggct gcagaggact gggctctggc 180
ctcgatcta ctgtagagca cccctgcttg gtacagacat actcaggggc taccgtgtct 240
tcactctcca gctgaggtg gtgaaggcag gatgctctct ctaaagccag accagaggga 300
ctcagacacc accgatcaca ggctggccca ggtgctccct cccttcctgc ccnccn 355
```

&lt;210&gt; 1749

&lt;211&gt; 832

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (777)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (791)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (799)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1749

```
gaaaaaaaaagg ataaaggaag gacttaagca aaatcttcct tgtaagtaga aggatgtttt 60
gacaagaaaaa gttgcaatgg aaaaatgggt ctcagtgtaca cgagtatgta gaataagcat 120
cgtgtgtgga ttggattcag atcaaaacat tgcttttatg tttgtgtctt tatacgggtg 180
gagtataccc tggtgcccca ggatgaagac ttgacctgac ccagtattt ttagattact 240
cacagataac aaaaagtatt ttcacatga ttagttgcga aaacagtatt atttcaatag 300
gtaaaacgtg cagtcctatg taatcgtcag aaggtaatct taattatagc ttgggtgtgc 360
tttaaaactgc aagctggcag tggagggcac gattcctctg atttcagctt tctccttata 420
cttttctgga gctgtgagct gcaagttaac tcagtgggat taaagtgtag actggaggta 480
caaaagggtga ggagttagga gatagggtag ttcttccttg gctggctggc ttcattratcc 540
ctgggccccg cagataatta aatcgacttt ttctgtctca ggcatttgta tgacctcttt 600
ggaggttccc tgctgggtag ttatccttgt atctgatggg acccatctca atttaaaata 660
cttctgccag ggttcgggag gtttcatggc ttgttcaccc ccagcacttt tggggaggct 720
tcagaggtgc catttggtt tgagcccaa gaattttgag acccagccgg gggcaanccg 780
ggggttgaaa ncctctttnt tcccatthaa aaattaccaaa aaaattaggc cc 832
```

1097

<210> 1750  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (434)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (446)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<400> 1750  
 ggagagatga gaatactatg aaaaatatat ttccaacaaa gaggaatta gaagttgcat 60  
 gttcagattg tgaagttgaa gttctcccat taggattgga aacacatcct agaactgcta 120  
 aaactgagaa atgtccacca aagttcagta ataatcccaa ggagcttact atggaaacga 180  
 aatatgataa tatttcaaga attcagatc attcagttat tagagatcct gaatccaaga 240  
 cagccatttt tcaacacaat gggaaaaaaa tgggaatttgt ttctcggag tctgtcacty 300  
 cagaagataa tgatggattt aaaccacccy gagagcatct gaactctaaa accaagggag 360  
 cacaaaagga ctcaagttca aaccatgttg atgagtttga agataatctg ctgattggaa 420  
 tccagatgtg gatnagatat taactnaaat tatnaggaga aggaaacttc caccaagggg 480  
 gcag 484

<210> 1751  
 <211> 772  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (214)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (766)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (772)  
 <223> n equals a,t,g, or c

1098

&lt;400&gt; 1751

```

gcgcaagtac gagttcgaaa aggacctcag taagcagctg ggctttcttct ccttccccat 60
caccacgtg ctcagggacc tttccctggg cttaaagaag gtaaaaggct cccgcatcca 120
cctgtcctcg gagacccacc ggagctgcct gctgcgtaaa ctggaggagt ccaaaagggc 180
ccggcaggcc tcccgggtca gcacctccca ctgnagcaca gagacaccct ctgtgcagca 240
ggaaccagcc acccacactg cccaggacca ggccacagag ccctgccgct ccctctacac 300
caacttgcca gccagccggc agctcagccc tttggagccc aagctctaca tgtctgcctg 360
caccggcatg ggttccagtc cccccaagtc caaggacatg gacaatgagg gccgtgataa 420
agccgagatt gaagatgaag atgaggatga gttcaaggat gaagaccagg atgaggacaa 480
ggatgaggat ggagtctaga gcctcccaga gcctggagag gaggcctcgg tcagccactc 540
cgtggacgtg ggccacgggtg acccaccatg aagtccccac tagccactcg attccctgct 600
ctgtcagagt tgctgcacat cacaccagcc cctgccaaaga gcaggagtca ccacaggctg 660
aatgcccacg aggagctctg ctgagactct caagggagcc agtgaaagaa atagaaataa 720
agcctgtgyt gctgggacac aggtttgctg tcctgaaaaa aaaaanaaat an 772

```

&lt;210&gt; 1752

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (370)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1752

```

tcgacccacg cgtccgacca gcatgaggta aagaaaagak gcataatgtt tgcctttgtt 60
ttgtttttat tttaaagccc aaggtctttg tttttgaagt aacagcttaa tttttaccct 120
tcataatcag gagagttact tagatgctct cttcatgatt tgttgagggt ggaatgattt 180
ggcagtcctt gaaatttatt ttggggagga ggtggcagaa gagtggagtg taccagggtta 240
tgagatttct cttaaccac caacctaaact tctgttcttt ctgcacctca gagatgaaga 300
agagatgatg atttctcttc ctcaagtcct tcttattctt gctgtcctgt tttttcaggc 360
caagattggn cttgnttggt tgca 384

```

&lt;210&gt; 1753

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1753

```

atgacacaga ggctgatgtn ttggggcttg tggttcagg gaccctgat gtggccaggg 60

```

1099

```

ccatgactca caccctactc aggcattctgg cagcaaggcc ccctaccag gccagcacc 120
agcatcagtg tcccyatgc ctgctgcccc ttccaggggt tctaacagga tgggggtggg 180
tctggcagaa ggcagagtta tctgaagcat gggggcagga gc 222

```

```

<210> 1754
<211> 650
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

```

```

<400> 1754
aaataatttt tacattttgt attttccaac caaacagaat cgggaccagt attcacatct 60
gctaagtgat cattttctgc cataccaagg tcataattcc ttccgtgaga aatatttttag 120
tggggtaaca aaaagaattg ccaaggaaga aaaatccacc caggaatgaa aattaagatt 180
ttgncaatga agaaagaata agaatttgat ttaaaaagac atctggatgt gaactttcat 240
gtatgatcca gaaaataggt acggttttta aatattttat atagaaaagc tacaaagtaa 300
attgagcaat gcttttaaaag ttatctttgt tttatagact tttttgttgt atgtattaca 360
gtctttataa tctttattta tgtatatttg tactttcaag tactgatgga gatagactca 420
aaacagttat tttttttacaa ttaatctaca aagggaatta atattgttga cttttaaaac 480
atctgctgga tatattatat gcaattaata gtagttaaga atttattcat ttggtagata 540
tgttttatttg gtttttgggt gtcatcgatt tacattgcca ctaataaacc atattgagaa 600
tttctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 650

```

```

<210> 1755
<211> 560
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

```

## 1100

<220>  
 <221> misc feature  
 <222> (526)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (541)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (548)  
 <223> n equals a,t,g, or c

<400> 1755  
 agtggtccgg gagcaccggg nctccgtcat ctgtctggag ctggtgaacc gactcgtgta 60  
 ctytggcagc rcggacagga ccgtcaagtg ctggctggca gacacagggg agtgtgtgcr 120  
 cacgttcacg gcccacagac gcaacgtgag cgccctcaag taccacgcgg gcaccttgtt 180  
 cacgggcagc ggggacgctt gcgcccgggc cttcgacgcg cagtctggag agctgcggag 240  
 ggtgttccgg ggccacacat tcatcatcaa ctgcatccag gtgcacggcc aggtgctcta 300  
 caccgcctcg cacgacggcg ccctgcgcct ctgggacgtg cgcgggctcc gaggtgcccc 360  
 gcggtccctt ccgcccattg gcagcctctc gcggtcttcc agcaacaagg tgggctgcgc 420  
 cgtcgcgccc ctgcagccgg cctgatcccc cgggggccct gcagacgcca gccagacac 480  
 ccagcggctc ccnagcgcc ccgncctgct acccgcggtg gtggcncccg atggcccggc 540  
 naggggcnag gagcgaggaa 560

<210> 1756  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (282)  
 <223> n equals a,t,g, or c

<400> 1756  
 ggcaacagag cgagactcca tctcaagaaa agaaaaaaaa attgtaattc ttataccctt 60  
 gctctgttc tttatcattg tgtaatttta aaaacaactg rcatatatta tacaggtagt 120  
 tgtttattgt ctattttctac cactaaaatg gaagctccaa ctgctattag attaatttcc 180  
 ctcccaggtc caattttgat tatgttactc tgaccaagct gatcttttct cttcaatcta 240  
 gaccttttaa ctaccttcaa aaatacaata aatatgatta tnctagact 289

<210> 1757  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<400> 1757

## 1101

```

gggagcactt ggagcggatg ctggggcagg ctggggagcg ccgggctgat gtgtacgtgg 60
gcgtaggatgt gtttgctcga gggaacgtgg tcggaggccg attcgacaca gacaagtcgt 120
tggagctgat ccgaaagcat ggcttctccg tggttttgtt tgcccccggc tgggtgtatg 180
agtgtctgga gaagaaggat ttcttccaga accaggacaa gttctggggc cgactggagc 240
gttatctgcc cacacatagc atctgctcct tgcctttcgt cactgccttc tgcctgggca 300
tgggtgcacg gaggtgtctg tatggccagg aagaggcggg agggccctgg taccacctga 360
gcgcccagga gatccagccc ttgtttggag aacacaggct gggargggat ggccggggct 420
gggtgaggac gcaactgctgc ctggaggatg cctggcacgg aggcagctcc ctgctcgctcc 480
ggggtgtgac 490

```

&lt;210&gt; 1758

&lt;211&gt; 855

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (322)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (449)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (837)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (849)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1758

```

agaattgaag gagagatgtt gtatcactgt tagaaggctg ctttgggaca ttctgcagca 60
gggaggaggg actgtcaacc cctacaccat gaccaccaag ttctcacct tsgctgagtc 120
cctaaaactc tctgaacctc aggttctctc aagcataatg cagacttcac agagctgttg 180
taaagattag gtgaggtcaa ttgatactgc ttaaaaggcc cggtccttag aagatgccca 240
ataaacatta ctgctttccc cstcaccmta ctgcctgaaa atattacacc tgtgagactg 300
acttkgagaa ccagtgtggg tnsaggagttg tgcataataa ctatttattg agtaccnaac 360
acaaaagtca agcttgtaaa atatcaggcc ttgccccaga aagacaaata ccacatgata 420
tactgatata gtwgartctt aaaaagtcna actcagagca gagagtagaa tgatggttat 480
caagggtctg gggaggagg gactggggag atgttgggtc aatgatacaa aggttttagtt 540
aggtggaata agttcagaaa atcaattgta caatgtatca attatagtta atagcaatat 600

```

## 1102

```

aacatatact tgaaaattgc tgagagtagt gtgagtgttc taccacaaaa aaatatgtgc 660
agtaatagat gtttaattacc ttaatttagt catttcacaa tatgtacata tataaaaaata 720
tgttgtatgc catgagtata tataattatt atttgtgaat ttaaaaaata aaaataattt 780
ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa 840
aaaaaaaaana aaaaaa

```

&lt;210&gt; 1759

&lt;211&gt; 693

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (77)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1759

```

tgacactata ttaggnacgc ctgccggtac cgggtccggaa ttccccgggtc gaccacgcgc 60
tccgggatct tctgcanttt acctctccgt atctcatttt ccttagattt tatatggttt 120
taatttaaaa gatctaaaag tacactgtaa atgcacagta tatggagggt atagtataat 180
agttacaggt cagcaacaaa tgtttgttct attttccttt ctctctgcag cctctcttgt 240
ctttccaggc aggtgagtag ttcatctgt gatcatttat gctctgtacc acctctcat 300
ggcagtatgt tacagcagct tttctaccag agcataagga gtcttgcat tttgtggtaa 360
aagtcctttc tggagaagca gtacaggaag gtttctgggt tgctataacc aggatttttc 420
aacaacaaca ctattggtat ttggggctag ggtaattctt tgttgktggg gtggccagtt 480
tattgtagga tgtttcacag catccatacc tttatcatat tcgctycaag gtaagacaac 540
caaaaatgtc cccagacact gscaaatatc cctggagggt caaagtttta tttgagcact 600
atttgctaaa atawtghtgt ggatgctatt tacataactg kgkgttcagt tatgaaaatg 660
cagagttgta catatatgat atatgtagtt ttc

```

&lt;210&gt; 1760

&lt;211&gt; 2726

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1760

```

gaggcgctag aggcgggggc gccgggaggc gcgggcttgc tccctggggtc tgggccttgg 60
ccggctggac ctgaccctag ggcggccttg gcagctgtcg ggacgtgact gcgttcagcc 120
gcgtcgggag tgcttccag acttgcccaa gttcgggtgc cctagctgcc cctttgcagc 180
cgctggccta cccggcccgc gggtgagaag gttgcgacgg gaggtgggtg gaactcgcca 240
gcgccgggac cgcggattgg ctgcctcggc tttctctttt ccccggtggc tccggcgtga 300
ggcgtgaag cggccggcag ccggcgaccg gccctaccg tccgcgggt tgcgctctgc 360
ttttgcggtg aggcgttgac cacgccata tgaattggag ctctccgcca gtaggagttt 420
ccggaaggag tttgaatttt tgtgattttt atgcttgktt ggtcgggtgga atatgttggg 480
atztatgttt gcctctgaac aagtgtcttg ctacatcgt aaatgacttt ctctccgaaa 540
cgctaaatat tctttccgc aggagctcat atccttattt tccatgacag atcttaacga 600

```



## 1103

```

caatatatgc aaaagatata taaagatgat aactaatata gttataactga gcctgatcat 660
ttgcatttcg ttagctttct ggattatatac aatgactgca agcacctatt atggtaactt 720
acgacctatt tctccgtggc gttggctggt ttctgttggt gttcctgttc tgatcgcttc 780
taatggcctt aaaaagaaaa gtctagatca cagtggggct ctaggagggc tagtcgttgg 840
atttatccta accattgcaa atttcagctt ttttacctct ttgctgatgt ttttcttgtc 900
ttcttcgaaa ctactaaat ggaagggaga agtgaagaag cgtctagatt cagaatataa 960
ggaaggtggg caaaggaatt ggggttcaggt gttctgtaat ggagctgtac ccacagaact 1020
ggcctgctg tacatgatag aaaatggccc cggggaaatc cagtcgattt ttccaagcag 1080
tactccgctt cctggatgtg tttgtctctc ttggctgcac tggcctgttc tgctggagac 1140
acatgggctt cagaagttgg ccagttctg agtaaaagt ctccaagact gataacaacc 1200
tgggagaaaag ttccagttgg taccaatgga ggagttacag tgggtgggct tgtctccagt 1260
ctccttgggtg gtacctttgt gggcattgca tacttctca cacagctgat ttttgtgaat 1320
gatttagaca tttctgcccc gcagtggcca attattgcat ttgggtggtt arctggatta 1380
ctargatcaa ttgtggactc atacttaggg gctacaatgc agtatactgg gttggatgaa 1440
agcactggca tgggtgggcaa cagcccaaca aataakgcaa ggcacatagc agggaaacc 1500
attcttgata acaacgcagt gaatctgttt tcttctgttc ttattgccct cttgtctcca 1560
actgctgctt ggggtttttg gcccaggggg tgaactttat ttcatttcca caggttgaaa 1620
ctggtgagtc cagctaaatt tgcaattcca actttcatcc taagaataat aactgtaatg 1680
gcaaagcgga aatgccagtt cctcctgtat tccattgaga tgggatttca cattttcttc 1740
tcatcaactc ccctgtaata gctagcgtct ttctagyaa agagaagaat tcctagaact 1800
tatgcatttt tttcctgctg aatggaaagtc ttgagcaatg aagctatatt gtcctacat 1860
attactatat attgaactga aagttcttac ataatcaatg tcaagttttg tottattttg 1920
ttttgtttgt ttaaaccagt gtaggaaata aaagtgatga tatttaaaat agttctcagt 1980
tgaagcagag aaatgccact gtgctagtgt ccaaagtgt gtatctattt taaatagttt 2040
aagctgatgt gtatgggagc ctaaacaagt gtagtatcct gaacttctcc cattaattgc 2100
tattcacaat tgggaaaagt gtggagattg gttcctagt agttttgtgg cctactccac 2160
atttgttctt ccttctcag ggttagtgat gaaaaaaagt aaatatcttt ttcatatgtc 2220
cattagaatg tatgaaaaaa atcattttta ctaaaagcaa aagaatttta tcttatatct 2280
aaaaaatata taacttacta tatgtttcag ttgctctctg aacaaaaatt atcttcaatt 2340
taatatgtgg aatgtgtttt ctagctttct ttgaattatg tatggcaacc tgggttagca 2400
ctggcatcct gaacagttta gagtcaactgg gaaattattg tatttcttta taaatttact 2460
gtcatatcaa ttgctggaaa atgctatgat ttttctatta ttaccttcta agttgtattc 2520
tctcttacac tgtagcctca actaaggcaa ttctgctatg tttgttcttc actatgattt 2580
actgtgtgcc aaaggagttt tgacagggt cagagtattt tactaaaagt atttttaa 2640
gtttctcatg tgatttctgt accttcttc tcctgcccct tttgcttttt taaagaaact 2700
ggggaaggat ttatgaatac accacc 2726

```

&lt;210&gt; 1761

&lt;211&gt; 1033

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1761

```

aaaagagttt atatacttct aaaagctcct aacttatatc caaagaattg ctttctgatt 60
cgtgtagtct ctcccacaga ttcataaact tttatgactt atattgtttc caggtgggca 120
tgggtttattt ccagtttaa cagttcagaa taggggcatt tattttatca tattttaggg 180
tgggttagga gtatcctttc tggagactga gaaaggggtg tatttaattc catcaggtcc 240
agtacagtac taggagtcac aatactttat aatcaattaa ataaatagaa ccactgagac 300
aataatgtat ttttttaaag tggcaaatgt ggttttcttt tttcagcctt tgcgcttttt 360
cagtattttg accataggga gataattttt ttataataca aaagtaacca cttggaattt 420
taaagataat gttatgtgtg tatgtgaaat atatatacat atatatatat atttcctaaa 480

```

## 1104

```

agaagaaaag atacctttct gttcaacttg tatcaactcc tcttttctaa ttgctgtgaa 540
atggcaactg ttgataaatt attgtgattg ttttaaaatc taatgggaag taaaatatat 600
tttgatttta cccagcttaa tctgtaaaag agcacttaaa tatactctgat agcaacactt 660
aagatattgc atggggatta ctttcctatc atccatattg atttgtgcaa cttcaaacat 720
attgggtgct tctgaattcc tgatgattgg atttaagcta ttgaaaattg gataatttaa 780
acttaatgat ttttataatt ttctgatctt aaaattttgg taatgcctat aatctgttgc 840
tttttctcaa tatgtgtcct attggaaatt cctcaaactg ttggtgccat cagtgtatta 900
caaacaatat tttgatattg cagatgactt gcttactgta tttgcattgt tagaaaacag 960
ttttagagaca atgattcttt ttttaataaaa tcaaataatt ctaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaa                                     1033

```

&lt;210&gt; 1762

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (108)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1762

```

cctctcggcc gtagggttagg nagattcggg tgggaatgca tgaagctcca cngaagtatc 60
ggtagtgtagg gtattctgcc caagccctgt tcgcatacca aaccaggngt taaataacat 120
caggctctgg gggaatagaa agcmggcttt agacaatctg tccatttcta cagtaaaatt 180
ggagtgagtg tgtatatcta cttaaaactt aatagaagtg acttctactt tttgggctat 240
tccagaagta ttttaaaatt attattttaa attttgaagc cccatttcaa atcttgccga 300
ccttagttca aagccccctg agagatcact tttagaattg aggatttggt aaaatggcaa 360
gtcatttcat ttgtgttaaa aagaaaatac ccaaaaggaa ggagggagcc ctgtttgcct 420
tgagataaac ggccttggca ttttctggca ttaatgtaga aataatgttc ctatgatgac 480
atattttcaa agaaacactt tcttatttac tgtgtggtgt aaaatgttgc taaatgtgtt 540
gttacattat gtcactgctg aaagtaattt gcactataat aaaggaattt tctacaaaaa 600
aaaaaaaaaa aaaaaaaaaa a                                     621

```

&lt;210&gt; 1763

&lt;211&gt; 736

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1763

```

gactttctgt gtttacttgt atgaggaaaa acagyacata raggcattcca cagtatttaa 60

```

## 1105

```

tttgtttggg taacagttac agataaacag gtacacccca tatacaatta cyaatacttt 120
ttatacagtt catatttcag tacatcaaca ctattttatt tacactctat ttatryacat 180
taacatcttt ytaaatggg attattgtcc atatgcttta tttttttat tccagtgtt 240
tcccttttag gaatttatct gaggggagaa tactctgtaa ttactccata atttgcaggc 300
aaatatcatc atagcatttt ttaggagagt aaaaagttat taacaactta ttttgtctc 360
acattagagg aatggttaaa taaagcatgg tgtattcatt ggataaacta taatgcagtt 420
gttgaaaatg attaccagga gtttttgcta acatttatgg gaacatgctt atgatatgtg 480
aacatttttt taaaaacaag acataaagtt gcatatactg gaaataatac cttcaatatt 540
gaaaaaaata ctatttagga aaraggacag aagaaaatct gccaatattt tgacagtggg 600
tgcctttgta ttaagaatat aattaagaat ataaaaggat tccctgcctt ttaacatttt 660
tctctgcttt ccaacatgaa tattatacct agtaatcaga aaaaaaacag aggcaatcac 720
tcttatcctt tacatt 736

```

&lt;210&gt; 1764

&lt;211&gt; 1371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1764

```

cagttaaata actcctggtg acacttcagg tggtagaatt gaaacacaaa cctgacttct 60
gaccacatgg gtcaaaggca aaaggcaaat ggcttcaaag cccttagtgt gcttatccag 120
ttcaggcagt gaggagataa cctctgcttt cctccctgag gagtttggag tatttaaggg 180
gggatggggg ggggtgtcact ttgaaaatat gttgcttttt ctcctgattg tattgaggct 240
gatatggaag ggttatttct ttctggccaa tacttttttg tatttctaaa tattgcaatc 300
ttgattttta ctattaaatt tgtaattgt cagttctggc ttttttgcac aaagagttgg 360
tccattaact tgccaatttg aagcttctaa ctagatattc cctactgaaa gttttggatt 420
tgtttttagt ttgtggagca gtcttagctg gggacaggta attgacaacg gcagagatac 480
tttcttttcc taggattcta agtctgtaac ccacatcctc aatgtattca caggacttta 540
aaattctctc caaatgagga aggaaatatt ctggtgcttt ctaatgttta ctaaaagttg 600
tgtttagaac aacagatttt aataggcatc ttcctttggt atgtgtcatt agccctttgc 660
ccgtttacct tagggctctt tgaaggagaa atggatggga gaaaacctgt cacttggcga 720
aagtaaaagg gataattaac tggctcagag cttatgtgca gagttccaag ccccaaagtt 780
aatctagaac cactcgataa caccaataaa aatattttatt tcacatctgt tatatatctg 840
gaaaatgttc taagcatctt acacatattt ctcattaaat ccacagggtga ccattgtgag 900
gtagatattt tgttctaatt ttccagatga ggaagctgag accctaaaag gctgaccggg 960
tccctgatgt gttacctgct tctgctactg atccaaactg cagaacttct cattcatccc 1020
caaggcctcc aggcagtatc caatggggaa tcagctctaa aaggaaccag accaacgttt 1080
tccagcccct tcattctgta gcttccctct gtgtgaggaa aggatagaaa tgttcaggac 1140
atcatcatatc aggtcctca tctacaaagt tccagtagca gtgacgccta cacggaagac 1200
ttggaactgc aaacaggctg gggtcacctc agtgacatct gacgtgtcc aaccagaagt 1260
tcgatttttg ttctgggggt gaaggaggaa acagactgta ctaaaggact aaaataattt 1320
gtctatamwa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattccc c 1371

```

&lt;210&gt; 1765

&lt;211&gt; 766

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (510)

1106

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (716)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (733)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (738)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (757)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1765

```

tacgcttctg ggcataatac tgaaacacaa aactgctttt gctctctctg tggttggccg 60
aaaataggat tctttttcgt gcaggtgtcg ttgttttagtc ggctttacta acatattgaa 120
atggctctac ccaaagacgc catccctcgc ctgtccgagt gccagtgcgg gatctgcatg 180
gaaatcctcg tggagcccggt caccctcccg tgtaaccaca cgctgtgtaa accgtgcttc 240
cagtcgaccg tcgaaaaggc gagtttatgc tgtcccttct gtcgycgccg ggtatcgtcg 300
tggactcggg accatacccg aagaaattct ctgctcaacg tggaaactgtg gacgataatt 360
caaaaacact atcccaggga gtgcaagctt agagcgtctg gccaaagaatc agaggaagtg 420
gctgatgact atcagccagt tcgtctgtct agtaaacctg gggaactgag aagagaatat 480
gaagagggaaa taagcaaggt ggcggcagan cgacgggcca gcgaggaaga agaaaacaaa 540
gccagtgaag aatacatata gaggttggtg gcagaggagg aagaagagga aaaaagacag 600
gcagaaaaaa ggcgaaagagc gatggaagaa caactgaaaa gtgatgagga actggcaaga 660
aagctaagca ttgatattaa caatttctgt gaggggaagta tctcggcttc tccctntgaa 720
ttccagaaaa atntggtncc agttacacc aagtctngaa aaagga 766

```

&lt;210&gt; 1766

&lt;211&gt; 736

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1766

```

ggcagaggtg gagggcacgg aaggggtttt mccattcatg ttgtataagt gaaccagacc 60
accctgatgg catccacagt gatgtcaagg ttggggctgg ccaggggtgg gtggactaga 120
agcatttggg agtagtggcc agggscctgg acgctagcca cggagctgct gcacagagcc 180
tgggtgtccac aagcttccag gttgggggtg gagcctggga tgagccccgg cagcgccttg 240
gcccttctgt ggtccctgcc agcctctgac ctgggcccgt cagtcattgc tggactctgg 300
ccacacactg gcgttctcat ccacttgga acaagccagt cttttctgca aggtcagttg 360
accaagagca tatttccct ctgttgtaga tcgttggtt gtgtttgtgt tgtaacagtg 420
gggtggagggg ggggtggggtc tacatttgtt gcatgagtcg atgggtcaga actttagtat 480

```

## 1107

```

acgcatgcgt cctctgagtg acagggcatt ttgtcgaaaa taagcacctt ggtaactaaa 540
cccctctaag agctataaaag gctttagttc tgtattgatt aagttactgt aaaagcttgg 600
gtttattttt gtaggactta atggctaaga attagaacat agcaaggggg ctcctctgtt 660
ggagtaatgt aaattgtaat tataaataaa catgcaaacc tttaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaa                                     736

```

&lt;210&gt; 1767

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1767

```

naacnggnaa gctgttcccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgagcctac tctggttaag atgttctttt cctcaaaggt gccctagtgc catgatttaa 120
atatttttat taccattttg aaatggagaa gccattctgc atatgccttt gaattcctgc 180
ccctctttac cacctcttcc tccccctcaa aggaaaaaca tttcatccaa gtaagttaac 240
ggcattttct gtaggatttt cttatgcact gcacactctg gacctcacct gcagatacag 300
ttccccctt gccaggagca tctgcatgtg gtactttctt tttccctcag ttgatatttc 360
ttatatgata ttctagatac tatagaactc aatttgtcag attcagtata acctcagatt 420
ttgttacctg tcttttataaa atgcagattt tgtcaaatca aataaagatc aatggatgtt 480
gggtataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                                     521

```

&lt;210&gt; 1768

&lt;211&gt; 453

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1768

```

aaaagaaaaa aatgacatta aattttgtca agatagcata ttgaaaatat aatagaaaaa 60
tatttgttta tctgctataa tatattatgt cataggtgtt atcttcagga aggcacactg 120
gacctgctaa attaacaat ggaaagaaag cgtaagtact tgaagacgtt tacaacttca 180
gatttcaagg aatttttcag gtctttgggc tggatgacat gtcgtctacc ccagaaaatt 240
aggtaggcct ctaccatcac aagctctgag gaacaatttt tcatgtctac ccatgttaat 300
catttttagta tttaacagtc tttctgatct tcagaatgtg tttataaatt catcttgtag 360
atgggttgac aagctttctt gtctttgctg graagraaat gactacttac taatatattt 420
tgggrraaat attkgtaaga atattaataa gct                                     453

```

1108

<210> 1769  
 <211> 636  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (516)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (540)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (553)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (571)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (623)  
 <223> n equals a,t,g, or c

<400> 1769  
 ccctataggg aaagctggta cgctgcagg taccgggtccg gaattcccgg gtcgacccac 60  
 gcgtccgggc gactggcagg acgcggtgca gagagcggac ttccgcgacg cggaacgtcc 120  
 tacagtgtag gggaagcaat ggaagaactt ctacctgatg gacaaatatg ggctaatatg 180  
 gatccagaag aacgaatgtt ggcagctgct acagctttta cccacatctg tgcagggcag 240  
 ggtgaaggag atgtcaggag agaagcccaa tctatccaat atgatcccta cagtaaagct 300  
 tcaktagccc caggggaagcg acctgctctt cctgtgcaac tacagtaccc acatgtagaa 360  
 agtaatgtcc cttcagaaac agtctctgag gcctcccaaa gactccgaaa gccagtgatg 420  
 aagagaaagg tgctgcgcag aaagccagat ggggaagtat tagtaacaga tgagtcgatt 480  
 atcaagtga tcaagaattgg tacagaaaat gatcangatc tcttgggact taagacaaan 540  
 gctggatgaa tgncagttcc aggaagacaa ngaatcttca tttgatgggt cacaaaaaat 600  
 taacctacca catgaatacc cangaatttc tcaaga 636

<210> 1770  
 <211> 643  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

1109

&lt;222&gt; (632)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1770

```
tcctcactaa gggaacaaag ctggtgctcc accgcggtgg cggccgctct agaactagtg 60
gaccccccg gctgcaggaa ttcggcacga gcacgagtgt gcacatgtgc gcgcacacac 120
acacacacac acacacacac agaacttaac agcagtgatg tgtgttgtaa tatgcaactt 180
tgtaagttac atatcactcc ccaataccac cttctcagtc acggagtaga gatcttactt 240
cacaagaagt gagactcaga gaggtgaagt gacctgtgca aggtcaccta ttacagtgcc 300
agagttggaa cttaaaggaa ttcagtcctgt gaacttcagt gtctttccag tagcatattt 360
gcagcagaag agtcaagaat gttgtgagct gcaactctca ctagaaccaa atgaccttat 420
tgaggagatgt tagtccagcc ttaaaaacaa gctcttcacc tccatgaatg gcaagtgtct 480
gccctcttca ggccaaatcg agaatgacat ctataactga ggcaaatcct tcagraacct 540
aagtcagacc ttgggattat ttgcttttcc agtaagttct kggccccggg ctgtgtcttc 600
ttaactcttg ctggtggggg acccttcagg gnaagcttac cca 643
```

&lt;210&gt; 1771

&lt;211&gt; 734

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (721)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (730)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1771

```
catattttaa aaaatatgtt ttctgtgtgt tgccaaagaa tagaaatgca attgattttt 60
taatatttaa cttatatcta gccatggat tgaattcttc taatttctaa taatttgtct 120
gtcaatcatt ttattctttc taggtaaata tgatactata ataaattttg cttctttctg 180
tttctttcct ttctctatta ttacttttcc ttgcattact aggctacttt ggacctttaa 240
taaaatgtga aaaagcacat ttatctttat attgatttta aacagaacac tctaaatacc 300
ttattatcgg taagactaat grctgctgaa gaattttact gggttgagaa aactgttatt 360
tatatttgtt taaatgtttt cattataaat ggggtgttcaa ttatatcaat tttattttct 420
gcattctaag ggatgatcat aagacatttt tctcttttaa tctcttagta tgataattta 480
cattttttgga ttttccagaa acatcttttg attcctagaa taagccagat ttatcacaag 540
tggtattatc ttatcagata tatggctgct cttgagttac taatctttta cacttttgtg 600
tgtaaggaaat gtttttaatc taggtgaaat tttgaatcta tgctcatgag taagaatatc 660
ctttctcata ctatccttat ctggccttag tactgagctt tagattatct tggagggttc 720
natttccctn cctt 734
```

&lt;210&gt; 1772

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 1110

&lt;400&gt; 1772

```

gcggaacgcgt gggaaaaaaa agaattactt gagatgcttg ttgaatatgc atattcctaa 60
gccagagccct aaatctactg aatcagaatt ctatttttaa tgtacactcc agatgggttct 120
gatacttgaa caacgctata tttagcattg gttaagtaca gatattttgt ttttagccta 180
ttgcagaatt agctcaataa ttcataaaat gggtaattat tcataccaat gctaaactca 240
gtatttatta catcaaaatt tttaatgtat tggctaattt tggtaaagct aagaccacca 300
gtgtgaataa ggatggattt ttgggtattt gccactgara ttttttagca tagatcccca 360
gaattatttt taggaaaagg atatgctgtg ctttagc 396

```

&lt;210&gt; 1773

&lt;211&gt; 786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1773

```

gagcttttagc tcgcctgccg ctcaccttgt gctgtgcagc ccggttccta acagaccaca 60
gacccacac caggtctatc tcatttggtc tcagagctgt gaatcagcca gcaatatttt 120
agttgcaaact cactgaaaac ccaactcaaa gtgacttaag tcagaaagaa attttatgaa 180
ttcaggtaat taaaaagtc agaagtatct gccttttaggc acagctggat ccaagggcac 240
aaatgatgtc atcaggctcc agttattctc catctcccag ctcagctttt tctgtctgta 300
agcctgattt tcaggaaggc tctttcctag tgatggagat gaccaccatc agctccaggc 360
ttctatcctg ctaaccagtc aaccagctgg gaagagattt acttattcca ataattccaa 420
gtggagagtg tcattgacct gtttgggggc tcactctctac ttctagggga atgaaacact 480
ctgagtggcc aggcctgtgt catgtgctaa ttcttagagc cagggaaata aggtctgagg 540
attcaggatg gggtgaaagg tggttgctta aaggaaaatg aaatacaatt agcagaataa 600
ggggaaacga gtggtctgct ctgctcgggc aaaacaagag atgcccatta ctgtgaggga 660
cccttgaagt ctggactctt aaatgggttt ttgctgattt cctgggtgca tgctaggatg 720
atggggcttg atgcagtagg gaagagacga tgtaaaaata ataaacaata tataccttca 780
aaaaaa 786

```

&lt;210&gt; 1774

&lt;211&gt; 676

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1774

```

ggcacgagac tgaatatga aataatgtaa aagacctatt tcccgcctagc tttaaccgat 60
ttgtcataaa cacctttctt gtatatgatt tttaaatgtt tgctaaatat taaaaagaat 120
tcaatgtgtt tgggttttgta aaattacata tcgaatgtgt ataatttttt actaccatgt 180
tcatcacact taatctatat ccatatattg tactccacca atattttatca gtggacaata 240
aagaagtttt gaatgcatga atgcaactta agaggcacca cacttggtta ttttgcaatg 300
ccagaataac ggtgggtatt cacaaattga atagataatc cagattatgw ttctcccaa 360
tttaagtttt tctgggtttt tttttccccc ttctagaat caattttatc attttaccta 420
tgtacaataa tatacttcct ggaaaatgcc tagaattttc accatgtaac agaatttgag 480
catgacagta wtgtaaaaat attcagaagt ctgcaactat aggtttgagt tttcaaagta 540
aatcaaaatm cagctgtttt cattttacta gattgtggaa acctatggat gttattgtaa 600
aatgcatatg cattacactg actttcttaa aatgttttga attaataaag aattcaacaa 660
tgtaaaaaaa aaaaaa 676

```

&lt;210&gt; 1775

&lt;211&gt; 423



1111

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (359)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1775

```
ttactatcta agtatgcaat tcttagggaa aagtgcctgg aatcttgcaa ttccaagata 60
tccattgtaa ttactctgga tttaaataga actggtctcg tagcacaaga attcctgata 120
gcaagatact tttcataaga taccttcaac ccggttaatt tttttctgt atctgataag 180
gtaaagttta gttcaagagt acagaacaca tttatttact tttttgtctt tctgaaagta 240
caaaggacca cccttatcaa tctgtctttc ccagctactt ggaactctac gtgacttttc 300
tctttgtgtt ttatagaaat acgtttgttt ttatgatnca tttttgaaat tgtgatttng 360
tagggtatgc agaggagnaa attcgggaaa atttttaagg tattctgaag aagacacttt 420
aac 423
```

&lt;210&gt; 1776

&lt;211&gt; 671

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1776

```
acgttggtga aaactgcttt cccctttgaa tgggtcttggc ccccttgtgg anagtcactg 60
cagcataaga gttagecttc atctctgggc tctctctcc tgtgactccc gtaatgtttt 120
actcatccac ttcattggtg accacctctt ggctctgtcc actctgccac tttttctctc 180
tgctcctcac aggatcattt ccattgtaag tgtctccagc ttgctgattc tttattctgc 240
ctgctcagat ctgccggtga accctctagt gaatttgtaa gtgtcagtta ttattttcag 300
ctcttctagt yccatttgat cacccttcata attcctatct kttgataycc tcattgtgtt 360
cctctgtgat tttcctgact tctgtagtt ctgtgtccat ggcttccttc agttcttcga 420
gcacatttaa gacagtcggt ttaaagcctt tgtttactaa gtccaatgtc taggcttcct 480
tgggcatggt tttgtcagtt aaatatcttc ctttgaatga gtcataacct cctgttttat 540
ttgctttaga ttttaggtca ctaaattttt ctttgtgtct aaactgctgt taaacctatc 600
cattcagttt ttaatttggg ttattgtgtt tttcagttga attttttttt aaccttatct 660
cctgtatctt t 671
```

1112

&lt;210&gt; 1777

&lt;211&gt; 1779

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1777

```
gctcgtgccg ctcgtgccgc tcgtgccgtt cattcagaag gtggagataa gtaataccta 60
ctcctaaatt tttatcctga tagtgagaaa atatataagc attttggaac tacagaacac 120
catacaaaat tagcattatt agtactgcat tatcttgatg tcttacaatg ttttgtgtat 180
atgtatactg attttctact tagaatgtaa ctgttggttt gtcaagtgtt tttttcccc 240
cagcctttcc taggctagga tatatgctaa caagtactat taggagctgg cttgtgatca 300
taatgccaac tatagataag gcaagtagta gcctagtagt taactgaagt ttcaagttag 360
tcatgtatag tcagttttta ttatcatgtg aataaaataa aattgttttc cttttctttt 420
cattcaggaa aagttctagg aactattttg gtgcacaacc acattataga ttatscttgg 480
gwgatatgcc atttgtagct gggaaggtra gttggtcaaa ctccggattc tttttatata 540
acattgatcc ctgaattaag tccctgcatc tscaagtagt tctacaaatg gaaggaacat 600
tttyctgtgc ctttaccagt gtgtggatca tgcctttacc agtgtgtgga tcacagtga 660
tgtgaaaatg agatgtaggg aggttttttg ggattaggga agcaaggaag agatggggag 720
gataccttaa agtagataaa gtatatgtgg aaaggaagtg ataaaacaga gaccctaagt 780
tgaagaaggt gttgtttcag ataggggtca aggaaataag aaatagtatg tttgtagcat 840
tggattttta gtatcmatcc tgttgagtta catttagata taggtagata ttcgaataag 900
cacgtagcac attctgcttg tcctcacatc cagatcattt ctaggactaa ttctccaaga 960
agcagtcata cgtacacttg aatcttcagt ttcttcagca cttgaatgta aagctgtatt 1020
gtcatatata aagtactgag tgaagtrcct aaaactgtgc tagttgacac tactttataa 1080
gctgtttgtg ttgctgggtg ttttatattt agattccaac tagattgtta ttctggcatc 1140
ttgggaagta aatgttcttc tgaattttgt atttgtttat atttatttat tttaaacccc 1200
tagtaaatte gcagtgaat catggggaat ataataaatt agtgggtgaca agcatttgaa 1260
aaaggtacag ttgacccttg aacaacatga gtccgaactc tgtgtgggtc tmcttacagg 1320
cagatttttt ttttcaataa gtatcttgga aaattttttg gagatttttg gcaatttgaa 1380
aaaacttgca aactatagct tagaaatata agaagttaag aaaaagttgg tatgtcatag 1440
atgcataaaa ttgactatgt caatactagt gcattttatc atttaytacc ataaaatata 1500
cacaagtttt ttttaattat aatttatcaa aacaatttgc acacagacta cgtgacgcca 1560
ttcacagtcc agagaaatgt aaacagataa agatgcagta tgaaatcata actgtataaa 1620
attaactgta gtacatactg tacgactgat aattttgtag ccaccttctg ttgccattgt 1680
gatgagctca agggttggga gtattcactt aaaatgccac gtgacgctaa tcatcttcaa 1740
atgagcagtt catctctcca gtcaattgtg tatcacagt 1779
```

&lt;210&gt; 1778

&lt;211&gt; 559

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

1113

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1778

```

aaagaagaca cattcacaac cagtggtaga gaaactgtgg tttatatgcc cctcttagaa 60
taactcttca ggctctgttt atagccctgg gttcatgcat gataaagtag acagcaacac 120
caccatacag tgcagaggag tggcaagaga ktaaacggaa aaggagatga aaatagacca 180
aktggagaaa ggcttgggtcm aaaaaggarg aaaaggaaga tcactatgga atawtaraga 240
kttgaaaaat gaagtgcacac ccaataacag gacgggacaa tcagagatga cttgggttgta 300
gtgtggaaac cagtagggac cttgggaagc tgccaaaccc tttctagctc tgggctcagc 360
tgtaagaact gctgattcct acaggaacac ttggacaatc caatacctaa atgttaacca 420
tcaattaacc cagtaaacct gcaagatgga aacgaagatt tgttctcacg agtttcacgt 480
gattatttaa aacactttctg ggggccagta gccaaactggg gtcttnccca ttgctgccat 540
cnatggtatg aaaagtctc                                     559

```

&lt;210&gt; 1779

&lt;211&gt; 786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (749)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (758)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (770)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1779

```

gcaagtcctc cattyttcca ccattgattt ttccctgccac agatattgac cgcattctcc 60
gtgctggctt tactttgcag gaagctcttg gagctttgca tcgagttggt gggaatgcag 120
accttgcact tcttgttttg ctgcacaaaa acatcgtagt tcctacatga ctgtgggaaa 180
gtgggctaga ccgttctcca ttccctttta acaaaagaaa gctctctcta tatacacgca 240
cacatacaca ctcgccacat atacagtata tatagaaacc tgcaagcaga atgttgagcc 300
agattttttt taaagatttt ttctggccaa agtaatttat gatcttttgt ctgatgaatt 360
tgtctatcct acttggttaa atttaggcct ttttaaattg attggcagta tgtgcataca 420
gaagcttttt attctcatta agatgtatcc tgggaataaaa tggatgggtt tgtgtgtarc 480
atactgtttt agaagagag taaatgcttt gaaaagcaga agccatgaga aatcccmcta 540
cccatccagc taaaaacaga tgaactctcc aactgtgac tgtgtgtctg tgcgtatggc 600
aaggatgggt ttgctggctc arttgtcaat ttagaaactt ttgaccacat aatttggtgt 660
ttggaattct acccagtgct ctgtgtatca tgatkcatta attataacag gaaattggag 720
aataattgaa tatcttatcc gtagaatgnt atgttttnat ttgtgtgctn aagatttgac 780
ttttaa                                     786

```

&lt;210&gt; 1780

1114

<211> 688  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (634)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (652)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (657)  
 <223> n equals a,t,g, or c

<400> 1780  
 caacatggtg aaatcccgtc tctactaaaa atacaaaaaa ttagccgggc atggtggcgg 60  
 gtgcctgtaa tcccagctac ttgggaggct gaggcaggag aatcatttga acccaggagg 120  
 cagaggttgc agtgagccga gatcacacca ttgcactcca gcctgggcaa caagagcaaa 180  
 actccatcta aaaaaaaccc acattttcat gaatatcagc catcaacaat gcagaaagta 240  
 atagaçtagt cttctgaatt attaaccccta gcaattgtca ccaagtgaaa acctygggtca 300  
 ctaaaacttc ttggaatagc attcaaggct ttgctttaac acaaaacccc aaaacttggc 360  
 ggtacaaaac aaccattttc tgatggatcg ggaatccatg tctgaagtct cagctaagaa 420  
 gactccaagg ctgggttcca ggctgggaact gcctggggca tctccccaca cacacactgg 480  
 tacttggtcg gaccaccagc aggttctact ccccggtgtt cttcrcagtt tgtcagttgg 540  
 gctgatttgg gtttgctcac agagtattca gccaagatcc caagatcaag tatccaccgc 600  
 ggcccgggcc ccaatcatct tgttttttaa acantcgttt tttgaggcag gntaggnat 660  
 ttcatttcca gatTTTTTcg tgttacc 688

<210> 1781  
 <211> 548  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (501)  
 <223> n equals a,t,g, or c

<400> 1781  
 aagtctattg gcatcctcga catcttttga tttgaaaact ttgagggttaa tcacttttgaa 60  
 cagttcaata taaactatgc aaacgagaaa cttcaggagt acttcaacaa gcatattttt 120  
 tctttagaac aactagaata tagccgggaa ggattagtggt gggaagatat tgactggata 180  
 gacaatggag aatgcctgga cttgattgag aagaaacttg gctcctagcc cttatcaatg 240  
 aagaaagcca ttttcctcaa gccacagaca gcaccttatt ggagaagcta cacagtcagc 300  
 atgcgaataa ccacttttat gtgaagccca gagttgcagt taacaatttt ggagtgaagc 360  
 actatgctgg agagggtgcaa tatgatgtcc gaggtatctt ggagaagaac agagatacat 420

## 1115

ttcgagatga ccttctcaat ttgctaagag aaagccgatt tgactttatc tacgatcttt 480  
 ttgaacatgt ttccaagccg naacaaccag gataccttga aatgtgggag ccaacatcgg 540  
 cggcctac 548

<210> 1782  
 <211> 567  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (487)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (500)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (508)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (546)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (556)  
 <223> n equals a,t,g, or c

<400> 1782  
 aaaaaaaaaa atctatatatt tatrgaaata ataaaaaaact aaccttagct tactgtaaat 60  
 tttctagttt agaaacttat ttaaaaacaa tttttggact cttctagtaa taacgtagct 120  
 taaaacacac attgcatagc tgtacaaaaa tattttcctt atatccttat tatataagct 180  
 tttatctatt taaattttga attttttaaac tttttggtca aaaaccaaga caaacacact 240  
 agcctaggcc tatgcagggt caggatcaag acatccctag caggtgacag gaatttttca 300  
 actccattat aatctgtggg gccaccatca tatatatatt gtacattgac cgaaacatgg 360  
 ttacatgact atataatttg cgtcaatact gctcagtgtg ccatatttaa atttacatga 420  
 ctatattgtg atattctttt caaaataaag tttattttggg agataaaaaa aaaaaaaaaa 480  
 aaagtgngcc gcagcttatn ccctaggngg ggtaattagc tggcctgcgg cggtttaacg 540  
 cggctnggaa cccgnggtcc acttacc 567

<210> 1783  
 <211> 537  
 <212> DNA  
 <213> Homo sapiens

## 1116

&lt;400&gt; 1783

```

gcacctatga catagtaaac ttgaagaata aaaactaccc tcagaaatat ttttaaaaga 60
agtagcaaat tatcttcagt ataatccatg gkratgtatg cagtaattca aattgatctc 120
tctctcaata ggtttcttaa caatctaaac ttgaaacatc aatgttaatt tttggaacta 180
ttgggatttg tgacgcttgt tgcagtttac caaaacaagt atttgaaaat ataatgtatc 240
aactgaaatg tttccattcc gttgtttag ttaacatcat gaatggactt cttaaagctga 300
ttacccact gtgggaacca aattggattc ctactttgtt ggactctctt tcctgatttt 360
aacaatttac catccattc tctgccctgt gatttttttt aaaagcttat tcaatgttct 420
gcagcattgt gattgtatgc tggctacact gcttttagaa tgctctttct catgaagcaa 480
ggaaataaat ttgtttgaaa tgacattttc tctcataaaa aaaaaaaaaa aaaaaaa 537

```

&lt;210&gt; 1784

&lt;211&gt; 614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (574)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1784

```

tgggtcaatc tcaggttcca gtctcagaaa ctgcaggttg ttgtcacctt tctgtcagca 60
tggatcaagc ccctaaaatg tggtaagtgt tgtcagagca gggcaatata tctactctca 120
agtatgaggg gaatagaaac aaagcagcag ttttagccag ggttcaatga tagagtggag 180
gtaaattaag agcctccagg ctgtgattca ccatttgaga cattatacat aatttgtttt 240
tggtataagc catttgattt tttaaaaaat ttcatacatg caatggaata tagatatgta 300
tatacacata taatatatat gctaaagtat aaagagtaat aataatgaca ataaacaaac 360
ccctgtgtgc ctaccacca ccttattgcc tttcctttga ggtaccgtgt gcggtttcct 420
gaacctatct ctatccctgt ctgatagagg gaacccctgt actgaacttt gtgttgacca 480
tagccttctt gtctttcatc actttatctc catgtatgta tccttaaaga ataataaatg 540
gaattaaact gaaaaaaaaa aaaaaagggc ggcngtctag aaggatccaa gctacgtacg 600
cgtgcatgcg acgt 614

```

&lt;210&gt; 1785

&lt;211&gt; 495

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1117

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1785

```
aaaattaacc ctactaaag ggaacaaaag ctggagctcc accgcggtgn cgaccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga ggcggtgtct cctctttgaa 120
attaagaact atctttcytg tagcaaagct gcacmtgatg atgctgcctc tcctctctgt 180
gttgtctggg cccttgttta caagcacgcg ttacccttcc tgaggggagc catgctctag 240
cccctggagg gcctgttgca ggggcagggc gggcccgttg cctttggcag ctccctggaga 300
gctgtggaca tgcagtcccc ctcagttcgt gctgcaataa aggccatctt ctcttatttc 360
tgccctcctt tctctttgga ccctggagcc acaggctcag cctggcctgt cgnccccggt 420
tgtcactgaa aagccccgga taccaagaag tcaccacacn aaagtgggag aagaaataag 480
atggccttta tatcg 495
```

&lt;210&gt; 1786

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1786

```
ctgctgagag ttggtaaaga ggatggtcga gtgagatggt gttgacctcc ctggatctta 60
tgtcactaca tcctggacct caagagggtc atccaagctt tttgaaagct gaactccttg 120
actggagaaa cctagacaag aggcggggcc aggtgcttga tatctaggag gcattcttcc 180
tcttcccttg ccaccatgga gctgggcaca gtaagccata ttgtttcctg aagcaggagt 240
cccaggcctt ggctagagag ggaacagatg tctaacaaaa agagaagcaa ttcgaggaat 300
tgatgaagca caattaaaat cctctctggc tagtagctct ctggcttctg ttcatttgaa 360
gaataaatct tggctgacag tgggaagcac caggtttgaa atcagatggc tttatttttc 420
tttttttggc atttaaatca gtgaaataaa attattactg gagagcacag ttcgatttaa 480
gagaattcct cagccctgtt ctcaagtctt cttttgaaat tccatgacat ggtggwtaat 540
gggtaaaatg attaatgcct cctttgggtc ttmtactgat caga 584
```

&lt;210&gt; 1787

&lt;211&gt; 1333

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1238)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1264)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1271)

&lt;223&gt; n equals a,t,g, or c

1118

<220>  
<221> misc feature  
<222> (1298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1313)  
<223> n equals a,t,g, or c

<400> 1787  
tttttagatc tgccttcttg ggatgtattc maggatgcta gccgtgtttg agactgtaaa 60  
tatgtctagt gaatagggct tcaggctgtg tgtgtttgcc ttgttttgca cagaattcgg 120  
cacagcccca agcacagatg ggtgcttcat aaatattgtt gaaggatgat gacacaaagg 180  
attatttaat acctctgacc tcaggccaca aacatacttt caatgtgttt tacttctgaa 240  
atcatttgaa ccaraatgtt tcagcaacac agattcatct gcaaccacaa atcagacaca 300  
tttagaatga caaagcccca aaagaatgcc attttcaagg ctgaaactgt attattcttg 360  
gctaaatgga atccttggtt tagtgacact gtaagagtag aaattaaaga cactgaaaat 420  
cttccttggtt ggaaccacaa ttatctgtga acaatgaaag ttgtctgaa taattcatca 480  
gcctcaagggt tacaggcctc cccttattct ggaatcccag gagtttaggc aagtgtgtca 540  
tttaatgggt ctcaactgtg tctcagttg ttattattcc agggcctggc atttatgggc 600  
acattcctat aattttacta attaaaaaaa aataagctat atgggaaacc actgtcaagg 660  
tcaaaatttt gaagctgcat tgattttacc taggaagaaa gaagcttata aagtgtccat 720  
catgagaatc cacctgggac ctacacaaca gatcaaatac ccagaacaaa tcaccacgtc 780  
agagcccccac agaattctga ttcccaacca acaagcatga gtaatccttt taaatgggtca 840  
cttacatata agaacagggtc ctttgtgaaa tttctaagca aggcctctgg tttctgactg 900  
aaacagagat ttattgagaa ggaggggttaa agtgaaatca agaactgctg ggaaatttcc 960  
acaagaaaca aggacaaatg gtttttggtt tcagagttaa accagcctcc cctagccatg 1020  
gtttggaaag ttatttgcta gcccacaggg gacaatattc tcaactggtt tatcagggac 1080  
ccttttgatc caattatagt tattgggcag atacagtccg taccctatta tcagragacc 1140  
tagtttcaaw tcttgagtca accttytaaa ttcactgtgt gaccctggta caagtcactt 1200  
aagctctctg attcattggg tcaacatctt taatatgnng agagtaatgc ctatcccat 1260  
accncataaa nttttgcaag gttcaagtgg gttgaaangt tcaaattttt ccnaatttta 1320  
agatcccga aag 1333

<210> 1788  
<211> 550  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<400> 1788  
taatatlaag aaattcaata taactacatt tntataccgg ttaatgttcc acagtgtgtg 60  
ttaaaatgta gttataacta wttttaattc caagggtgtt ttgtctttw cttttaata 120  
tttyctaata ttttgtcaga ttaactagat gaataaataa atctagtatt aaccgcatta 180  
tgaattaaat aattttgatt taatgaaagg gataatatga tttccagtgt ttactgtagt 240  
gtatcttgta cagataacat gtatttttaa aggaaaaaaa acggaattga agctattttt 300



## 1119

```

tcttgcattt ctaattgacc tgaggacat tccgtttgaa atgtactgaa gttacagttt 360
ctgggttttt ctccttattt ttcttataat gcttgaaatg tctaactatt aaaaaagaca 420
attggaaaaat gttatgcatg gggtttttaa gaaaacaaag tggtcttttt atttgactga 480
caattcattt tacactctat ataataaaat ctccacaagg catcttgtgg gcaaagtcaa 540
aaaaaaaaaa 550

```

<210> 1789  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (31)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (38)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (367)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (445)  
 <223> n equals a,t,g, or c

```

<400> 1789
tcgtgggctt cccagcatat ctgagaatag naatctgnca gaatattttg tggctgtgga 60
tgtaaacaac atgttgcata gtacgccag tatgctgtac gaacgccgga tactcatcat 120
ttgcagcaaa ctcagcactc tgactgcctg catccacggg tctgcggcga tgctctaccc 180
catgtactgg cagcacgtgt acatccccgt gctgccgccg catctgmtgg actactgctg 240
tgctcccatg ccctacctca taggaatcca tttaagttaa atggagaaag tcagaaacat 300
ggccctggat gatgtcgtga tcctgaatgt ggacaccaac accctggaaa ccccttcga 360
tgacctncag agcctcccaa acgacgtgga agagagcatc gtgatccagt gacgcttgcc 420
cctaagcgtg tgtgtatgat ttgcnaccga tcgaggattt atgggagttt atgggacttt 480
attta 485

```

<210> 1790  
 <211> 565  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (446)  
 <223> n equals a,t,g, or c

1120

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (496)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (520)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (537)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1790

```

gcctacgcgt ccgcccacgc gtccggtgga acagtttctg ccagataatc ctgtttgggg 60
gttaggaagg ctgatggcat gtgttttctg gactaacatt ttgcagccta tggaaatgta 120
tgtgtgctat ttattcttat gaattgtgca atgactcaca agcctaagca gtgtcagtta 180
cagctcaacc ttggtagaaa cccgtggtgt tttgyttttt tttttgatgc gggggaaaaga 240
ctgcattttg tgacgaattt attacctaac agaaagatct attttctcag tgataggcat 300
cacacaaggt gtctcctgtg acaaccctca gattaggaga aaaaaagcac atgtctgcta 360
gaagacaagc tatgtgtgtg tgttgtttta aattctattc tgcaagggtg gatctgctgc 420
tggaagttgg ggttggcttc caaganggaa tattaataat ttggaccaa tgctccttgc 480
aaaactaggc atattnttac ttggaacaat ttatttttgn aaacattttc cccaatnttg 540
gnttttaaaa ccagcccaac ctttt 565

```

&lt;210&gt; 1791

&lt;211&gt; 914

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1791

```

agaagttgta catattcaga gttttccatt ggcagtgcc aattctagcc aatagacttg 60
tctgatcata acattgtaag cctgtagctt gccagctgc tgccagggcc cccattctgc 120
tccctcgagg ttgctgggac aagctgctgc actgtctcag ttctgcttga atacctccat 180
cgatggggaa ctcacttctt ttggaaaaat tcttatgtca agctgaaatt ctctaattat 240
ttctcatcac ttccccagga gcagccagaa gacaggcagt agttttaatt tcaggaacag 300
gtgatccact ctgtaaaaca gcaggtaaat ttcactcaac cccatgtggg aattgatcta 360
tatctctact tccagggacc atttgcctt cccaaatccc tccaggccag aactgactgg 420
agcaggcatg gccaccagg cttcaggagt aggggaagcc tggagcccca ctccagccct 480
gggacaactt gagaattccc cctgaggcca gttctgtcat ggatgctgtc ctgagaataa 540
cttgctgtcc cgggtgtcac tgcttccatc tcccagccca ccagccctct gccacctca 600
catgcctccc catggattgg ggcctcccag gcccccaacc ttatgtcaac ctgcacttct 660
tgttcaaaaa tcaggaaaag aaaagatttg aagaccccaa gtcttgtcaa taacttgctg 720

```

## 1121

```

tgtggaagca gcgggggaag acctagaacc ctttccccag cacttggttt tccaacatga 780
tatattatgag taatttattt tgatatgtac atctcttatt ttcttacatt atttatgccc 840
ccaaattata tttatgtatg taagtgaagt ttgttttgta tattaaaatg gagtttggtt 900
gtaaaaaaaa aaaa 914

```

&lt;210&gt; 1792

&lt;211&gt; 310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (165)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1792

```

ttggagctgg ggtgtaactg gaggggcggg cccttctcca agttagagtt ggggttctga 60
gcgagtcgtg cgtttttaggt ttagtgtctt ttccttgctc ctgctcgggg agcgtgaggc 120
agatcggccg gctttgctcc aggcctcagg agtgtcastc gcctnggctt gcacagtaca 180
ttggaacgtg cgggttctat tttgtattcg acgtgccgga tcgaaataga gctcgcggca 240
ctntgaagac cacagtagga agttaaggac gggggtgcag gttcgcagcc ctatcaacca 300
gctccgagcc 310

```

&lt;210&gt; 1793

&lt;211&gt; 1054

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1793

```

aaatttttgt atagacattc ctttggttgg aagaatattt ataggcaata cagtcaaagt 60
ttcaaaatag catcacacaa aacatgttta taaatgaaca ggatgtaatg tacatagatg 120
acattaagaa aatttgtatg aaataattta gtcatcatga aatatttagt tgtcatataa 180
aaaccactg tttgagaatg atgctactct gatctaata atgtgaacrt gtagatgttt 240
tgtgtgtatt tttttaaatg aaaactcaaa ataagacaag taatttggtg ataaatattt 300
ttaaagataa ctcagcatgt ttgtaaagca ggatacattt tactaaaagg ttcattgggt 360
ccaatcacag ctcataggta gagcaaagaa aggggtggatg gattgaaaag attagcctct 420
gtctcgggtg caggttccca cctcgcaagc aattggaaac aaaacttttg gggagtttta 480
ttttgcatta ggggtgtgtt tatgttaagc aaaacatact ttagaagcaa atgaaaaagg 540
caattgaaaa tcccagctat ttcacctaga tggaaatagcc accctgagca gaactttgtg 600
atgcttcatt ctgtggaatt ttgtgcttrc tactgtatag tgcattgtgt gtaggttact 660
ctaactggtt ttgtcgacgt aaacatttaa agtggtatat tttttataaa aatgtttatt 720
tttaatgata tgagaaaaat tttgttaggc cacaaaaaca ctgcactgtg aacatttttag 780
aaaaggatg tcagactggg attaatgaca gcatgatttt caatgactgt aaattgcgat 840
aagggaatgt actgattgcc aatacacccc accctcatta catcatcagg acttgaagcc 900
aagggttaac ccagcaagct acaaagaggg tgtgtcacac tgaaactcaa tagttgagtt 960
tggtgttgt tgcaggaaaa tgattataac taaaagctct ctgatagtgc agagacttac 1020

```

1122

cagaagacac aaggaattgg tactgaagag ctat

1054

&lt;210&gt; 1794

&lt;211&gt; 797

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1794

```
ctggaaacta gtgggtcccc cgggcctgac aggaattcgg acagnaggga aaaattttgt 60
taggccacaa aaacactgca ctgtgaacat tttagaaaag gtatgtcaga ctgggattaa 120
tgacagcatg attttcaatg actgtaaatt gcgataagga aatgtactga ttgccaatac 180
acccacacct cattacatca tcaggacttg aagccaaggg ttaaccagc aagctacaaa 240
gaggggtgtg cacttgaaa ctcaatagtt gagtttggct gttgttgag gaaaatgatt 300
ataactaaaa gctctctgat agtgcagaga cttaccagaa gacacaagga attgtactga 360
agagctatta caatccaaat attgccgttt cataaatgta ataagtaata ctaattcaca 420
gagtattgta aatgggtggat gacaaaagaa aatctgctct gtggaaagaa agaactgtct 480
ctaccagggt caagagcatg aacgcatcaa tagaaagaac tcggggaaac atcccatcaa 540
caggactaca cacttgata tacattcttg agaactgac aatgtgaaaa tcacgtttgc 600
tatttataaa cttgtcctta gattaatgtg tctggacaga ttgtgggagt aagtgattct 660
tctaagaatt agatacttgt cactgcctat acctgcagct gaactgaatg gtacttcgta 720
tgттаатagt tgttctgata aatcatgcaa ttaaartaaa gtgatgcaac atcttgtaaa 780
aaaaaaaaaa aaaaaaa 797
```

&lt;210&gt; 1795

&lt;211&gt; 364

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (203)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (218)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1795

```
acctttacct tctgtagtgc cctaactctag ggtctgtgac tagaaacca ggtcaattga 60
tgaaaatcca tgggagaaga aaatgtaaaa atgctttcag acattaggtg tatgaaatca 120
```

## 1123

```
cacaatataa aagctatata atattttrtt agaggggattt ttttgctacc tttgctagta 180
cttgacagat tttataaaat gtnnaataaa atttgggnct gagaaattgt ttccccccct 240
tttttttccc tgataaatgt ctctccaaca agcattgttg ctttaaattt agcactgtct 300
tcagcttttt attgctgatt cagtttctgt ggaaaggcct ttggaaaggt aagttctggg 360
cagg 364
```

&lt;210&gt; 1796

&lt;211&gt; 1267

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1226)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1796

```
gacgcgtggg atttcaaagc tggggagatt tcatttattt ccaaaatttt tcaaaaaact 60
tttactcagt tctgctgwtg tttattaact taagagtgtc cccatcccca tatttttagct 120
ataggaaaaat tgtgctaccc ctgattcata tggaaattaaa aaaaaaatac atccctttat 180
tttgagtttt aagttgttat tttgctatac atttattact ggagtatctg gtgggtctgaa 240
atagtcaaaa gtagagtttg tattaatgt tccaatgaca tttattttta atacttaaaa 300
aatcatgtac tttgaaatat gtcaaagcaa cttctgataa tatacctgaa tttgtagttg 360
tctcttgagc atcatttact tcatcttaga tatagtgaag atctaggaaa gctctatatg 420
ctgttctttt ctacagttgt atttttgcag catctcctgg tttcattcac tcttgttttg 480
ggatttttgt tttagatctg catatttctt gtacatatgc atgcaaataa aagaagggag 540
tttgtagctg tgccmthtct cccttcagtt gctggttaak ggggatttgc tagaaaaaat 600
tctcccgttg aagggtgaaa acagaccctt atgtgtatay ctgtacagag atgtgtatat 660
gggatgtggg ggcactttgc tgaatgtgaa cttgccttgt caatggaaag attgaaaagt 720
attatgttta tttatacatt tgtataaatc tatatataca cgtatgtata tgtgtgtgta 780
tagataaagc tatatacata ttttccctt aaaaatgtgt gtgtataata ggtaaacagc 840
ctttgttaag caagattaat gtctatggaa agttctggat tattctgtaa gccagaggag 900
gtgacagtct agagtacatc atcagaacat actaaaatgg aagtcctttg gattatagtt 960
ttgtttatgg atattacaca atgaatgctt gtctgaacag ttcttacttg ccagttccac 1020
tattcttcat cttcaccacc ttctactggg cagtctttca tcaacttaaa aaaaaaatc 1080
acacatcatt gtgggttttt tcccccttaa ttctgtctct tctagccaga agcatctggc 1140
ttaagcatat ttcataaact tctctgttat ttctttttaa ggatctttat ctctgaaatt 1200
ttcccagaag gatacaagtt ttgggnaata ttatcaatag gaattttgag gacttggggc 1260
attcatc 1267
```

&lt;210&gt; 1797

&lt;211&gt; 463

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1797

## 1124

```

ggtcttagat tcagatagga gattcttctt aagatgctcc gtgttttttg ttttttgttt 60
ttctgtagaa gcaagagcag tctgtgatag aattatggca gcaagttctt aaccctttcc 120
agattaccaa actctgagaa tctgacatag cctgagagtc ttttctctcc cttgaaaata 180
gccattaatt cagtgactgt ttggagctgt gaggaaaaaa aaaaaaaga aaatagccat 240
tagctcatgt gtacacaatt caaggtacaa tatccagagc ttagagggcc cattttgggc 300
tctagattaa ggacttctac tacagaatat tggaaataaa tgtcaatgga ctgcttaaat 360
aaattatagt acatccataa caatgggagt attgtgtgat aattaaaagg gagggagacc 420
tattatcccc tactttggac caacctcaa gatattatta ngg 463

```

&lt;210&gt; 1798

&lt;211&gt; 891

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1798

```

cacttcttgg ctaaattatt atatcaaata tattcaaatc atattcttaa actcatcgag 60
ccatttgaac aaaaattatt ttgttttagc ttcattgagta tctttggaaa ataatttgtt 120
gaatatatat gattatgaga tattttctga taaacactga attttgaaac ctgaactcac 180
tatataattg cagtgttttg aaggcctgca tccattagca ttgcattata ttcacactgc 240
cttttttagt gaaccaagac ccattctctg gacgacagat ttatcttaag atgaaagggt 300
gtataacatg cccacaaggc ataaaaatgt taatgatgca agtaagtctt aagagtttaa 360
tgaccaagca aaactctacc accagatgct gactgcttgt tttgcagtgt tcaggaaaca 420
ccattttcct ggctcttaac gcttttgtat tggatggaa aagggtggc agctatagaa 480
caggagatcc atagcatttt gaacagaagt atctggaatc tctactgact gtgtgttata 540
aaagctatat caggcctggg tgactgaatt cttgcagaaa gcagtgtagt ggccaccatc 600
caaatcacca aaatggttct atgggagaaa ggaatgtcaa acttagtatt cacatatgaa 660
cactaactac tggaacagaa atgatagggc caagagatgc tttttaaat gtcccttatt 720
ctaaattaaa aggaagtgat aattttgttg ttaaatcatg catatagcct gactgctata 780
ttgcttctca tttcattgta actacttata tgttgtgccc attgactatc atctgtgaat 840
aaagaaagac aatattttagc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 891

```

&lt;210&gt; 1799

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (398)

&lt;223&gt; n equals a,t,g, or c

1125

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<400> 1799  
accctatcag acgtgggctg tccccatcaa aatatctgta cttcttgctt ctgccctaca 60  
ttggaagcag cagaaaagaa gggtaagcag ggttctagaa atttgtgtta tgttttctcc 120  
ccactgtatt tatttctttg gwtagtgggtg caagaaattc tgttttcctg tagcaaatta 180  
ataaagcggt caaacataag gaattacgac aacagcttgt agatgccaga cttcaacaaa 240  
cagcacagct gataaaagaa gctgatgaaa gacatcagag agagagagag tttgkaagtt 300  
ctacttcttg gaaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa gcttacgtac 360  
nccgtgcatg ccgacgtcan aagctcttct ataggggnac ctaaaatcaa ttcactgggc 420  
cgcgntttac aacg 434

<210> 1800  
<211> 449  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<400> 1800  
ctgttctgat atgctatccc tatttcatag ttaaatttaa aaccaaggaa ataaagtcc 60  
gtattagttt ttttcttcc tgaatatcat gattatagaa atctttgctg atgtggacct 120  
aaataagctt gttgttgaga cttccaragt tctgtcctgg gtagtttaaa agtctcaatt 180  
ggccaaaact ttaatgaggt tttagtaaat cttataacag aggaaggga atttcaaaag 240  
tatttacttc ttcactgaaa ggtgttgggt caaattcttc atctccatgc tattttggag 300  
tttctcatta ctctttaact catcaaaaaa ttcattcttt taaatgcctt ttngtccctca 360  
gctaagtaac aagcatactg cagaaatttn gttgaataaa ttaatgtgtg atttctttta 420  
ggatggaaga gtgtagaaa tggtcccaa 449

<210> 1801  
<211> 695  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>

## 1126

<221> misc feature  
 <222> (619)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (655)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (658)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (668)  
 <223> n equals a,t,g, or c

<400> 1801  
 ggnaaatata attacattac tattttaacac ctagcaaagc tattgtaggg tgtttccttt 60  
 tccactcaaa tatacacagc taggctaaaa aaagagattc catttttggc tggcaagatg 120  
 tttgggcatc agtaatattc ccatatcata cattgttata atgtccctga tagtatttaa 180  
 agaaaggaat tgatattagc tagtgattac taaacagcac aattctgtaa ctaaagggra 240  
 aagaaactca ctaccattta gtagtctaca accttagcag ccttggtcaaa aatcaattct 300  
 attatttttg cagtatagt gtagtctattc aattttgaga aactataact gcttcacaaa 360  
 cacttacatc aagctaata gtagtctagc catccataaa cagactatgt agaaaagcca 420  
 aacatctcat tagctacttt ggagttctcc ccttattttt aataaatgtc tgtcattaat 480  
 gacgtcacta ctgaagacca tgaaaaaagt atatagttga cccttgaaca acatgggttt 540  
 gaactgcaca ggtctactta tacacagatt ttttttttaa ccaaatgcag atcaaaaata 600  
 cagtactgac aagatgcang aaccygkggt ttatgtgaaa tctctgtata ccaanaangg 660  
 gcccgaentt tatttcttat tattaattgg gggtt 695

<210> 1802  
 <211> 910  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (29)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (40)  
 <223> n equals a,t,g, or c

<400> 1802  
 gctttctcca gctctgagga caataagcgt ggaaagcgtn tccgcacaaa ttccagaagc 60  
 actcccacta cccctcaagg gaaaccagag actacttttt tggaccaagg ctgctcttct 120



1127

```

ccagtgttaa tcgactgtcc ccacccaaac tgcaacaaaa agtacaagca cattaacggc 180
ctgaggtacc accaggctca tgcacactta gacccagaaa acaagctgga gttcgagcct 240
gacagtggag acaagatctc ggactgtgag gaaggattga gtaatgtggc acttgaatgc 300
agtgaagcaa gcacaagtgt atctgcttat gaccagttga aggcaccggc atyccctggc 360
gctggaaacc cacctgggac cccaaaggga aagagagagc tgatgagcaa tggcccaggc 420
tccattattg gtgctaaass tgggaagaat tctggcaaaa agaagggcct taacaatgaa 480
ctgaacaacc ttccagtaat ctccaacatg acggctgcgt tagacagttg ctccggcagca 540
gacggcagtt tggctgtgta gatgcctaaa ctggaagcag aaggattaat tgacaagaaa 600
aatttaggag ataaagaaaa gggcaaaaaa gctaacaact gcaaaacgga caaaaacctc 660
tctaaactga aaagtggccg gcccatgtgc cctgcccag cccccactcc cccgcagcta 720
atcgctatac ccaactgcaac ctttacaacg accaccactg ggacaatacc cggactggcc 780
tccctcacia caactgttgt tcaggctaca ccaaagagtc ctccgttaaa acccattcaa 840
ccaaagccca caattatggg agagcccatc accgtgaacc cagctctggc gtcactcaaa 900
gacaaaaaga                                     910

```

&lt;210&gt; 1803

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1803

```

catttactct gtgtgagctc agcagaattg aattccaact tggatatagg tgtccatggc 60
gttctactta ccctgggttc cgccttcttc cttgcctggc ggcccttcat gacatcataa 120
ttttgatctt cctttgttgg atactctgat cttgttcaca gagaaacata agcctaaata 180
tatgggtggtt attttttgtg ttgtggcaga ctctaaatac tgagtctact cagcgttatt 240
ttgcaactag agtggaggaa tcctaaagtg ttaaaagggc tttgaagatt gagtcagcat 300
ccttatcata cagtgcagaa gtctgaatta cagagattat gcagtgtatc gtggtcaacc 360
agtaaatttg ttgtccgtaa agtacgggtc agaaatctga gattacagag attatgcagt 420
gtatcatggk caaccagtac attttttgtc gttaacatcc agagccactg acagggaggc 480
tgaaaggcac agagtgaatt tttttgttcc ttgggctttt atcaagtttt gaagggatag 540

```

&lt;210&gt; 1804

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1804

```

cccaacccgg cactcacagc cccgcagcgc atcccggctc cgcgccagcc tcccgcaccc 60
ccatcgccgg agctgcgccg agagccccag ggaggtgcca tgcggacggg tgtgtggtgg 120
tccacgtatg gatcctggcc ggctctggtt gcggtggccg ggcgccccct cgccttctcg 180
gacgcggggc cccacgtgca ctacggctgg ggcgacccca tccgctgcg c 231

```

&lt;210&gt; 1805

&lt;211&gt; 388

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

1128

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (382)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1805

```

cggacggtgg gtagagagatc tgggtggggag ctgatgttcc agtttgaggg ccctgcagct 60
ggagaccctgt ggggatctga tgttccagtt tgagggtggt gcnatggtga cccaggcggg 120
agctgrtggt ctagtkttag ggccctacag ctggagacct ggggargagc tgacgttccc 180
wttcgagggc tgtgcaggtg gagacctggg gaggactga tgttggttcta atttragtgt 240
ggtgcagctg gagatccagg gatgagatgg ccctgcrgtt caaatatgag ggtcccggag 300
ctggactcta cgtgaggaac caatgctgcc tctgatgtct taggttggtg agctggaaac 360
tcgcgaggga actggtattg gngttcta 388

```

&lt;210&gt; 1806

&lt;211&gt; 284

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1806

```

aggcagaagg ccacgagaga gagaggagcg nggagagtgg tgaggaggat tcgtctctra 60
ctgatgaacc tcgccgtgcc tgtctgtcac atccaagtct gtgccagctg ctgggaggtc 120
agastcctgc cctgagaaac agcccagtc ttggagaatg aaaccctgag ggtcagtga 180
tggaggcctt ccctcggggc cagccattcc cgggargcct gagttgtgac ctggaagctc 240
trtgggtcmc caaractggc attttccttg ttatttttgt tgca 284

```

&lt;210&gt; 1807

&lt;211&gt; 334

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1807

```

gtgagccact gtgtccagca gaaatgtact ttctagaaag aaaataattg gtacttcact 60
actttcccag ggaattcctt caggtgaatg tccacccttt tgatctagaa gcagactcac 120
aattttgttt gtttgcaaaa tcagcctctg agctcaactt ccttgctgtg aaaatggggc 180
taaggaaatg tgggttgctt tttcaaagg tactgttagg atggaatgag atcatgtgtg 240
taacaaaggc tttggaaact ttctggaatt tgaaggctat ataaataaaa gatggaccac 300
tctttcctta aatttggcac ctttcctggt cttt 334

```

&lt;210&gt; 1808

&lt;211&gt; 921

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1129

<221> misc feature  
 <222> (486)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (812)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (845)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (876)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (888)  
 <223> n equals a,t,g, or c

<400> 1808  
 gttgtgctga agaatggcag agtacctgat ttatttagtc tcaaacaatt tcaactgcctg 60  
 ctatgttcaa gacccggtag gtttaatgct ctgtagtagc tataatgtaa atgtaccatg 120  
 aagaaatgct attttcttct acttattcctt catttcaaac tattgtctta tactagtgtc 180  
 aagcattatc tgtttgtgat ttgctgaaaa acaaattcctt tgtcaaagaa aatacttccc 240  
 ttaaaaatga gaaagcaatc ttaagtctca taaatctaata ccaggatcct tctatcataa 300  
 acttaactgt cttgawtttt actgagatta gccmaaataca gagccaaaaa attccccctt 360  
 gcactaattt gttaccctta cattgacatt aaagggttgg catttaattc tccatcttga 420  
 tcttgaacta aatttcctga agaactgtaa ttgttacaag ccttgccact caggcatgtc 480  
 atgaanactc acttctgcca aaatagttat agctattaaa ttcctctgtg ataacttttt 540  
 tgttttcccta actctaaatt aagatttggc acacagtaag acaacacaat ctaacaaaaa 600  
 agaactctgga tgttagattt aaatagattt gaatttaaata tcaggctgtg ctggttacca 660  
 actaggttac tttaggcaaa ttatgcaatc tgtgtgatcc tcagtttctt cttctgtaaa 720  
 gtgaggatgt tacctacttc atggcattat gtgaagattt aaagggatga ctttaaaagc 780  
 gcctattaat tgtctggcac ataaaatatt cnataagtgg tattattcctt aaaaaatatt 840  
 atgancctat tgcctttgtc tgtcttatac tctgantgat actaattnaa ctaccttatg 900  
 gctgaagggc tgcttaatgc c 921

<210> 1809  
 <211> 856  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (628)  
 <223> n equals a,t,g, or c

1130

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (764)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (805)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (817)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (837)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1809

```

aaggaagtgg gatactggct ggcattgtca gtgttctaag tttcaggcat ttttattttt 60
cctggctaaa cgttggtgaa agttataacc tcctgcctgg gagaaaatat acatcaccta 120
aaatgaactt atggcagggtc taatcaaaag gctaaatata atttcagaaa aggttctgat 180
actcttggtt ttgataaagc attttttcaa ctaaccatga attaagatga gtccatttgc 240
ctcttctgcc ttcactgagg gtttgggtta tacacctcta ctgaattgtg ttaataactg 300
tttggcagtg tgtactttgt ttttgtgagt catgtctcat gaaatttatt ggaatgttta 360
atcatatttg ctaagaaatg tttctgctgt agttggattt gcccatattt atgtagggtg 420
ttttaatttt ttaaagtgtg attagtgtta aaaatcaatt taaatcatga ctaatatggt 480
aaaaagataa agcatcaaag cagtatttct cattcctgcc tcctcaatat ctaatactgg 540
gaagatactt caaagaatat tgagattgtc tgaagtttta gttaagattt tcacacatta 600
atatcaaaaa agtaagttta gtatttgntt ctccatgggt tatttgtaaa gctgtaaaact 660
gagatatcgg tgactccgta ttatgactcc attagtgagc tgtgggtatgg gtaggatttt 720
ctacttcttc tgtactttta cctggagact atttttacta agngccttta taatgggggtt 780
taaagcattg catttaccaa acaanggaaa atgctgnaaa tattgcatat tttatgnatt 840
tggaccaaaa ggggtac                                     856

```

&lt;210&gt; 1810

&lt;211&gt; 662

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (584)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (615)

1131

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (629)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (662)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1810

```

tttaaactat gaaatgagga atgtaatccc ttctataaga tgtatactct ttgttatttg 60
ttgttaaatt ttggctcttg tattccaact gatgcaaaat tctttttaca aagcactgaa 120
ataatacaga tttttcttca ttgtcagcag gatgagattg tctgaaacga agaataggta 180
tgatagtttt cttagatttt gcacatcata ggtggcaaag acactatcaa aacataagtt 240
tttaaatgta ctaggaagta ctttgtaaaa ccaaacggtc tgaagaaagt gacaggtaat 300
ttgtgagaat aaaactaaat tattggggta gtgtcttacc tctttgtata tttaaatgtt 360
ctgtttttta acatgtaaaag gttattttta tttgtttag attgtgtag catgctataa 420
atggttagaaa gtgcacttac aatctacttt aacttgaaga aagagagaaa tcgggtccaa 480
attgtatagc attgattgca acctagtgtg gcctagtaga atttctgagt tttaaaattt 540
tttaataaat caaaatgtat ttatttgaat tcatatcctg gaantatata tgtatcttat 600
taaattctta aaatnattaa atgggcaant gattaatctt taagtccaat tgaaattggt 660
gn 662

```

&lt;210&gt; 1811

&lt;211&gt; 691

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1811

```

tggaaaaagt attttaaaac cttcatcaat ggaaaagtgg tttgggggttc ctggtttgac 60
cacgtgaaag gatggtggga gatgaaagac agacaccaga ttctcttctt cttctatgag 120
gacataaaga gggacccaaa gcatgaaatt cggaagggtga tgcagttcat gggaaagaag 180
gtggatgaaa cagtgttaga taaaattgtc caggagacgt catttgagaa aatgaaagaa 240
aatcccatga caaatcggtc tacagtttcc aaatctatct tggaccagtc aatttcctcc 300
ttcatgagaa aaggaactgt gggggattgg aaaaaccact tcaactgttg ccagaatgag 360
aggtttgatg aaatctatag aagaaagatg gaaggaacct ccataaactt ctgcatggaa 420
ctctgagcaa gatgtaaata aaattaaaag gtggatggca agagtgcata tactatcttc 480
aatccttcag tcccagccag aagaatctct gaaagcatat tgtgaatgta tacaatgtag 540
tacaacaat ctctgtgatg attaacagta tgtcaccact tcatTTTTTTT aaaaggatca 600
cgtctaatagc ccatTTTccc aactattctt tccaaagtaa gatataaggt agcttaataa 660
actaagtaaa acgtaaaaaa aaaaaaaaaa a 691

```

&lt;210&gt; 1812

&lt;211&gt; 615

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1132

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (578)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (583)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1812

tgggaanaat	ctcactcact	atthttggcaa	agctgggtacg	cctgcaggta	ccgggtccgga	60
attccccgggt	cgacccattc	gtccgcnnca	gcctctctaa	gtaggaggcc	ccagtgggag	120
agatgggctt	tgactctggg	gtcaaatgta	gataattgga	ctatggacag	tggttggtg	180
gtcaccaaca	atgggtgttg	aaacaaacat	ttagaggcca	tatttgggct	tataaaaata	240
gttctggggc	gtgcatggtg	gtcacacct	gcaatcccag	cactttggga	ggctgaggac	300
agcggatttc	ttgagctcag	gagttgggag	accagcctgg	gcaacatggt	gatacctgtc	360
tgtctcttta	aaataaaaaa	aatcaatgaa	gttatgtgat	gggctcatgg	ctacaggtgg	420
agaaaggcag	tgcatatgca	gcctcctcca	tccttgacta	aggctgacag	agggctgggc	480
ccaccaytgc	tcaccctgag	gcctcgtctt	ctgactcccc	tcctttcatt	tctaggtggc	540
attgggtgarg	ctgtgtccaa	gagcagtaag	tggccaancc	tgncattact	gttaccacc	600
tggcagttaa	cccgg					615

&lt;210&gt; 1813

&lt;211&gt; 1205

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1813

atttatttgg	ctcttgggag	ctcctactga	aagtgcgtgaa	atgtcgtact	gacacttcag	60
acttatagct	acctagactc	caagtaagat	ttatctctga	ctggagggtt	tctcctatta	120
aaaaccaaaag	agtgtagggt	gccttcacct	gctaggtaat	cttctatgcc	ctaattggga	180
gaatgggagc	agcagacaag	taagtgcagg	aaggagaacc	aaagctgtgt	ccatgccctt	240
gaggaaagag	aaattggacc	agacaagttc	agtggaaact	ttctaattgga	tccatcaact	300
tcatcttgtc	taagcagagt	catagctaga	atgtgactga	aataggagaa	ccacgtccag	360
gggtcagggg	ggattcctct	gaaatcgcag	ctggaacatt	tcgtaatagt	tctgggtactg	420
cacccataga	tactgtcacc	tctactcttt	cttccaatca	ccattagcag	atgccacagg	480

## 1133

```

attcctactt ctgaaagttt ttgggccccg cagtggcaag accggagaag ccaataaagt 540
ttaaggctac atgtttattc catccacaaa tttggtgaag gaggaaatgt ttacaattct 600
gccatgccat gaataggagt tttccaccgg gtgtacactg ctgttaacaa ggtgtaaata 660
cttgtccagt aaagagaccg tacgtactgc tgatgggacg tcccaacaca atgccagatg 720
caaaaacttc tttggtgatt gcttttgata acactgagtg gctaaaggtc ttctttcaca 780
tctttgcccc cctywaatcc tgaaggcaag gtctctggaa tttgagctgt gccctcacat 840
gcctccaagg caccaacaaa gcaaaatgaa gagtctgcac tgcttatcag ttgacccaac 900
actcagtcca cattggagggg gaaggggtgg tgggctgagg atgtcttctt cctgtccagg 960
atgcaatatg gtcaaggatg aaaggaaaga gatgctggga gcaagtctgc attgaagatg 1020
tatttctgtt gctttactac caaccctggt tataaatgat gaaactataa tgggtctgta 1080
atagctactt tcccatatag ctcttgtctg tacatacata aaattaaaaa waatagaaya 1140
cttccattac taacatgtgg tgacaagcat tcttcattta ccatttttat tccaaaaaca 1200
tgatt 1205

```

<210> 1814

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 1814

```

gcggaacgct gggcggtctg gtggctttag acaagtcttt taaccttgct gtgcttctga 60
tttctcagct gaaaaatgga gatgatgata atggtttctg taaggcctta tgggtgaagca 120
cctagctcag ggcctggaag gcagggtgtaa ccagtggttc agttgttata aacgaacact 180
aaccctcgcc ttgtcacctc atgaatccag atatgtagat ggagsgcaca aagctagcag 240
gagccaagct cacgtgtgtc ctgctttaa gccccatacc cttttctccg ggtgacaaac 300
acctgtgctc gttctcttcc ctccccctct tccccctgca tttggctaata aacaggccag 360

```

## 1134

```

ctgcctgcct ccctgcagtt tggtagatgg gtgggtaatg accaccactc cccacgttcg 420
cctgatgggc ttgttttccg tgcccttcac aggcattctgc aacaggcccc agccaggcct 480
gaagtcatcc tcagaaggga tggatcctga ggctgccatg cccagctggg caaacatgag 540
tctggattct tncccgaggt cggctncctt ggctgtgang ctgganggag atgaactgnt 600

```

&lt;210&gt; 1815

&lt;211&gt; 565

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1815

```

aaaatgatat actactattg cttgtatatt gtggtatagc gtgtcagggt tcagggtttt 60
ttttcaacgt taaatattct agaaactttc tgaaataatt tctgttttaa aatattgaat 120
atttgcttca tttcaaatac tcccttttga caaaaaaact taggtataac tgttgatgaa 180
aaaccagaaa aaagtccaga actctttggg gactccaact atggatagct tattttgaaa 240
aaggagaatt gcaaatttta ccaaaagatg gagaaaagca cattaaaaag ataccaacat 300
tcagaaattc atttcagcag ttattattgg aaatatatta actaatttag ataactataa 360
gatacttatt gtccatttat acccgtaaag ccgtttttaga agtaatatatt taggtaatcc 420
aaaagtacta aataaatcat tttagttatg agaaatcttg cttatagaca aagaaaagaa 480
taacaagttg tcaatgaaaa gatgacatkg aamcatttgt atgkcnctct taamctacct 540
attgactata ttaagccttt aatac 565

```

&lt;210&gt; 1816

&lt;211&gt; 286

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1816

```

ggtctgggga gggacctgaa actatagatt tctgacaagt ttccaggaaa tgctgatttt 60
actgttcagg gaccacactt tggaaaccac acaaatagga atctcatgca aacccaaggc 120
acctatcaaa aaattttcaa ccaagtgatt ctgcatgaca agggccagca gtgctagggg 180
agaaacaaca ttctgttctt tggcccgtca gcaatgacca ttgccagagc caaactgaga 240
aragtgggct gtctgttcaa ggaactgaaa tatataatct tancaa 286

```

&lt;210&gt; 1817

&lt;211&gt; 1320

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature



1135

&lt;222&gt; (1304)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1817

```
gacgggggttt caccatgtta gccaggctag tctcgaactc ctgacctcag gtgatccacc 60
cgcctccgcc tcccaaagtg ctgggattac aggtatcagc caccgtgcct ggcctaataa 120
ttggaacatt ttcacatga aaatgtcatc agctttgcc aagaaacaa ccaattgact 180
tgtktggcgt ttgttttcca ttttcatgtc aattttatgt atacagttag aatacccaag 240
gagaccacta aaatcagtta aacaagtagg gtatatacaa agaaagatga aacccgaaag 300
tacataaaaa ggattttaa ccgatttttag atgtacctag tgtgtatttc ttatctctag 360
acaagttcat gtttattgtt taatttatgc ccaagtgaag ttgtaaactt atggttcaac 420
tctgacacag aatttgtcac ttgtctgagg tcagtggcag gtttctctgc tgtcaacact 480
ctgtgtcacc caccagatta gtataactat taattcagac tgtactccta tgtttaagat 540
aatttttaca agagctggct gaagcagcac attagtaacc tgacaagatt tctttttyyy 600
ttttcagggg gaaagggta ccttaaaaat aaattatttt cagggaactt gggaatctaa 660
tgataaatat tacacataat ctatgaatag cttaatcctt tatatatcc ttaaaatagg 720
aattcctcga catcactcct ggccacactt tccttgctg tgttgttget atgtgtattt 780
gaaagtaata tctgcattcc ttttaagatg ttctgtaagt catatttgtc agttatacag 840
agtagtcttc cttttcccca cgttcagtgt aatctcactg aacagtaata atagcaatag 900
ctaacaacat ctgcacagca cttacagtt tgcaaagaac gttcacacat tctcatttga 960
gttttgcata gtgaacctgt tacgagatgt ctcttgacgt cgatgctaaa agtggttagaa 1020
tctttacatc actagagtca ttgaatatgc tgtagtattg aatagtgcc tgactagggg 1080
gaggatttgg atgtgctgca tttcaagccg tgtataatca tcaaaatggg gggcttgagt 1140
tcttttagcta cttgaatccg atttacttct gttaagtgat gcttttctaa cgttttctg 1200
gatggatttt gtattcacta tattgtagct tgtaatttgt ataaatgtac catctgatgt 1260
cattaaaaaa agtggttgtg gtgctaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 1320
```

&lt;210&gt; 1818

&lt;211&gt; 821

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (816)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1818

```
acaagtcaaa atacagagat gatgtaagca ttgcatttcg tatgtagaga tggtaaaaga 60
tgactatgag gacgattccc atgttttccg gaaaccgcc aatgacatca catcccagct 120
ggagattaat tttggtaacc tccctcgtcc tgggcgtgga gccagaggag gcacccgggg 180
aggccgggga aggatcagga gggcagagaa ctatggacct agagcagaag tggatgatgca 240
agatgtttgcc cccaacccag atgacccgga agatttcctt gcgctgtctt gaaagagccc 300
tgtttcccag caccgcggag ctgcactgca cacctgtggg gagacttttc cagctgggcc 360
aagggagtgca gactctaaga acaatagatg ttgcttttcc cgtgtcatgt aaatttgttg 420
cacttttttg ggctgagctg ttagaggggc ttctccagag gctcgagagc aggccatttc 480
ccaagaagat gaagaatggt gactgtgttt ttattgaagg aatttcaaat gaagaataat 540
gtttaaaaatg tgtatataga gatagtatag actcctccgc ggaagcatgg agggaaagga 600
ggttgtaaaa tagactccat ggagactcct aggaagcagt agattcccg gggctgtgcc 660
tttagcggtta gaggaacac atagagctgg aactgttaat ggaaagcagt cacagctgag 720
ttttcgggaga ccaagaaatt aaaatacaat tgcacttaca aaaaaaaaaa aaaaaaaaaa 780
```

1136

aactckaggg ggggcccgtg cccaatcgcc ttgtgntgca t

821

&lt;210&gt; 1819

&lt;211&gt; 370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1819

gctagtytct agatcgcgag cggccttaat gttatcgaag gagaaatgtg aaacttgagt 60  
ttaggggttac tgccgaagga agaccaaatt gaatgaaatc tggccttgga attggctgta 120  
gattcttcct cctcgaattg ttactgaaaa ggagtcttaa aaattgaaaa tgtagcaga 180  
gcatttttgta gtgttacagg ctttgtaaat ttttcattgt agtacctgtt gctggcagag 240  
taacttttca gaattgtaag atttgatata aacctgaatt caaggtaaaa tttagtcgtt 300  
aaactgcacc tgacgagatt atgtccaanc aggctttata cgtattgcac tgtggaaact 360  
tncaaatata 370

&lt;210&gt; 1820

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (389)

&lt;223&gt; n equals a,t,g, or c

1137

&lt;400&gt; 1820

```

ggaggagccc agcagagtc ctgggcagtc tgaccccttt aattgtggac taactttctcc 60
cagaacccat gataaggagt ttctctcctg attgaggata ccaagtgtgt gactgttagg 120
cagagcattg cagccccatt ttggtgttga tatggaaatt cctaggtcac tatgcagaca 180
agaaaaccag gaccccgagga gccagaaaaa cttgctgcaa gtctctagtt tgctcctatg 240
aatgcccctc caccctggaa gaagccctag acagtcctgt cccttcttcc ctgggtgcac 300
gtgtcccctg ntgctaggcc tggggcaatc ctgggtgtgt ttggctggcc cttgggggct 360
gggcttntct cctgccancc tgccacagnt gcactattct ct 402

```

&lt;210&gt; 1821

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (294)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1821

```

gattttattg ttacagtga gagagccaac tcacagattt agatgatttt aaagatgcag 60
ttcaaatgag ggaaggatgt aaatactgtt tttcaattag ngaattaaca gttgcaaaag 120
tgggttactc catagagagc ttgtgatttc atgaaagcca tcaaagagta aacctcttgt 180
atagacagat tccttaattg ggtgtgcgtg ctcacacgtg tgtgtgcaca tctgggtgtg 240
taatatatgt atgtgtacct cagtcctagg gctgtggtaa caaagtacca caanctggct 300
taaaanagaa atgtattctc acaagtcggg aatcaaggtg ttgacggg 348

```

&lt;210&gt; 1822

&lt;211&gt; 512

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (154)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (447)

&lt;223&gt; n equals a,t,g, or c

1138

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1822

```

aattcggcac gaggaaactt ccattgctct tcaggacaat tatgagatca gatatacagc 60
tatctctgtt ataaagaatc ttttgataaa acatgcattt gacacaagat accagcacia 120
gaaccaacaa gccaaaatag cacaattgta cctncccttt gttggactac ttttgaaaaa 180
tatacagcga ttagcagggtc gagatacctt gtattcttgt gcagccatgc ctaattctgc 240
atccagagat gagtttccat gtggctttac ttcacctgcc aatagaggga gtctgagcac 300
tgacaaagac accgcttatg ggtcttttca aaatggacat ggaattaaga gagaagattc 360
aagagggttc ctcttccag aaggagcaac aggatttcca gatcaggga acactggtga 420
aaatacccgga cagaattcta caaggantat tgtatccan tataaccgcc tggatcagta 480
tgaaatcaca acctcctgat gttgctacct gt 512

```

&lt;210&gt; 1823

&lt;211&gt; 940

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1823

```

tcttgattgt gataagcccc cctggaggat atgattcact ttatgtgatt catcttattc 60
acagggtctgt gagggactgc gaanttactc aggaaatgaa aacaaatgat ggcatgttg 120
cagttttttc cttgaaggac aaccgaacca tagcctctaa agttcaagtg cactgagggtg 180
tcggaacgct gaaagcatga ggaaacgagg acgtaggggtg tgactgaatg gtggctagat 240
tagtgggagc agttcacctg gatgaagatt gagagcatcg tctttgagaa gtgaaagact 300
agcaagaata aaataaatta agtccagtgt ttgagccaag gttgccacct gtctcttaac 360
atctcactga acataagtcc tgagggtatta ggacgaccat actgcctctg agctgaaaac 420
attcaaaagt tcacatccct gtttggggga taccattcac cgccttcagc ccagatgata 480
ctttccttta aatctgtgtc tctgtgtgta taacaaagag gaagatggaa acaatgttca 540
tggaactgc tgttgagccc cttgtccac cactcccgcc atctgctgca ggcaggaagg 600
catgtgagtg tacgttttct tccaggagac atcagggtccc ccyggattca aattaagtgc 660
aatattttgc aaacagctct tcttagggaa atctcctgaa ggaaaaaaat gtgacagaat 720
gttccatagt ctgagagaat ggaatcggtg agcatttagt acaagtccag tgtgtgtgag 780
cgggacttag gcagctcaag cttgtctttt tttttaagcg tacaattgag tggtttttagt 840
aaattcacia acttgttcaa ccatcaccac tatctaattc cagactcacg ctttttttaa 900
caataaatgt catttcatga aaaaaaaaaa aaaaaaaaaa 940

```

&lt;210&gt; 1824

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1139

<221> misc feature  
 <222> (19)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (73)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (163)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (309)  
 <223> n equals a,t,g, or c

<400> 1824  
 gtgctccacc gcggtgcgnc cgctctagaa ctagtggatc ccccgggctt caggaattcg 60  
 gcacgagcac ctncgcagcc ataccagga gaaagtggta gcctgcccc cctgtggggg 120  
 catgtttgcc aacaatacca agttcttaga tcacatccgt cgcagagcct cattggatca 180  
 gcagcacttc cagtgttctc actgttccaa gagatttgc acagagcggc tattgcggga 240  
 ccacatgcgc aaccatgtga atcactataa gtgccctctg tgtgacatga cctgccccgt 300  
 gccttcctnc ctccgcaacc acatgcgctt tcgtcacagt gaggaccggc cctttaaatg 360  
 tgastgttgt gactacagct gcaagaatct tatygacctc cagaagcacc tggataccca 420  
 cagcgaggag ccagcctaca ggtgtgattt tgagaactgc acttcagtgc scgatccctt 480  
 gctctatcaa gtcccattac cg 502

<210> 1825  
 <211> 641  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (38)  
 <223> n equals a,t,g, or c

<400> 1825  
 gagtgtgttc ctgtgggtgc ctcagctctt ctacttttaa tttaaccctt aaatatacag 60  
 tagtgtggat ggaagctggg gaatgaactc ttgccaacag aagatttata gtcttatgaa 120  
 tgagtaaaatt ctagatcttt ggaggttgat ttagaaagaa cggtagctgt aaattctgag 180  
 tgttttttgt tcagtgggtt ggagtttaga atagcttttc cttgtccaat aggaagtggg 240  
 taaattgcc aaccactgag atcactattg ttgactcaga ttcaggaata agattagcgt 300  
 aggaaagctg tcgagtaacc ctggaattgg ggctggttgt gattctgttt gctcttggt 360  
 ggtgaggagg ctatgagttg gtatagccag tgggtccagg atcctgaatg tgttgctaaa 420  
 ccatatactg ctttccatgg gctgttttta ggggccaggg ttggaggaga tatggtgttg 480  
 ggtagcaact tgccctgtaa tagatggaga gctgttttct ccatggctcc tgcagtgtga 540  
 gagggtgaggt gccagcttag agaaaattcc agatcctcgt tcatgattct taagcagatc 600

1140

cagattctta agcagatcca gattcttaag cagatatagc a

641

&lt;210&gt; 1826

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1826

```

tcctccaggt gactctctcn tcctggccag naatagcccc cagacttttt ttaccccact 60
ggggtcaaag ttcccatgga accaaggaaa gaancctgca gcctttcttt aaaagcttag 120
gccctggacc ttggcaccag catcactnct cgtgtattc tattcatcaa aagcacttga 180
aaccaacca gatattgtca atggggagca tccatgtata gcccgaattt gagacaagct 240
actatccttt aaaagacagg acttgcaagt gatgggaaa aataaaaacc ctccacagc 300
catgtctata catattaatt attattttta tctctccccg atatgtatat gttagttaa 360
trtggtgaat aatataaaac catttatatt tttcaaaatt gtagaattga aagaaaggg 420
aataggaggc catgctgaaa aaaaaaa 447

```

&lt;210&gt; 1827

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1827

```

tttttgaatc ttccttaagt ttataaatat ttatttttta aaagaagatg ctgtgcctgt 60
gagaccatac tttttttttt tttttttttt tttttttttt ttttggtgac tgcaaaggac 120
agagaacctt tccactttgg ccatactggg ttgctaagcc ggagccattt cagctcctgg 180
ctcctcaaga taacggcgag tccagtggca tcttgagaa gctccagggg cagggtgac 240
ttttctccta caggaggaac aatgtgggga tctgagggat gggagggaga cttcccccta 300
gagtgggtgt cctgctgggg gctcatatcc agggacccaa aaggggggct gtgtaggagg 360
ttccacattg gaggggctct ctctctcgca gctgtcagag ttggtcctgg ctgtggcgct 420
caaacagctt gagggaaaaa gatcctgtct aaccacctca tctactactc aagttctttc 480

```

## 1141

tgaaggaggg atttcttcag ttaaccatgg acagtgaggt ttctcaccac agtaacttga 540  
gtccagggtt aggggggagac agatctgttg taaatctctg acttgggcag 590

<210> 1828

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 1828

ggnaattccc gggtcgaccc acgcgtccgc agaaatgtta caagagtaag aggttcttac 60  
ttgtacatag gctttcctgc tgaaaacagg cccctgctgt acagattttg ggtacataat 120  
ttagctcttt tagtcaatcc aagagattta agtgaccccc cccccccgt gttttttttg 180  
tttttgtttt tgttttgaat gccatgtaaa ggcttttttg ttaagacctc acttttaaaa 240  
ctgccttaag tataaatagt acctttggaa tayatttagt tcatcatttg agctgccttc 300  
atactggttt cctcagcctt ccttcagcct gtaatatatt cagcccactg tttaccttgt 360  
ctcaataaaa ggtttctaata gccaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420  
aaaaa 425

<210> 1829

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1829

gtattacaaa tcttattgta cgcattttgt actagagaaa aacactgaag cagttgctca 60  
aactttgttc aacatcaggg aatttatatt ggagaaaaat cctgcaaattg taatgaattt 120  
ggaaaaacat tttttttcaa aaactacggc gtagaaaaaca tgaatttata ttgaaatgtg 180  
tttttgacaga tgcagtaagt atgaaaaata tttaatccaa aattgagttc atgtaaatat 240  
taataaatat acagtagaaa taactaaggc actgacactt tagacattac actaaaacag 300  
agtgttgagt ataaaaaat ctataagttg ttagattatt tgtaaataac tttaaaagga 360  
gtagaagatt cctttgggag ag 382

<210> 1830

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1830

cagggctggt gcacaaatat ggccaattca aggagaaaca gggcagataa tcccacagag 60  
ccggtgacac gccatccta ttcttgagta gacagagcca ttccatcac tctcaggcct 120  
ctgtgggtaa ttggagctga caaggtccca tgcatagcag atgagattag tcccagctgg 180  
acgtttccca gaaatggtcc tggggtttcc agtaacctct caratrarat cacttgtcta 240  
gagatcactc tggaatatgt ctcatataag gcaaggagtc atggaaactg aatcatgttg 300  
agagaggatg ttgtaggaat agaagcttct ggacaaagaa tgaggaagac tctggagatc 360  
tagagagtgg ggatttgtga gtgggttcag gttttgtttt tgtttttctt ctcttggcac 420  
ccccaagcac taggcttatt tgctggacag aaatagatct taagtggaga ctgcaagttc 480

1142

```

ttccgacgtg atgcactgga ggagatgcat gcctggaaaa gctctgccac ttgctggctg 540
gggtggcctgg gaacctctgg gtctcaggct cctcatccat aaaatgggga taataactaa 600
ttctcattaa ataagaaaca caagattgat ttgtggtaag cttataaagt aacaactact 660
cgagaaaata gcctttttaa gaactgacaa ccattgctaa gtgtctaccc taaaaaaaga 720
aataccagag atataagaaa aggtatacgt gcaaaaaaaa gttcattgk taatggaaaa 780
tattagaaat atattcaaca aagggaatgt tcagtacccc ctccccacca aa 832

```

&lt;210&gt; 1831

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1831

```

nttcggcaca ggcgaaatca gccatggctt tacttagttc ccaagtacac atcttcttat 60
ccacaaggat gaaactctgt agggctcacc ctgagggtc atgtgtggca ttgagagggg 120
agcagtgacc agaaccacc aaggccaca agatgttttg aatgagggaa catttaattg 180
catttgtag gagatagaaa ccaaataata aaggacaagg accacgtca ttccgtggag 240
aagaggtgaa ctccctctgc tgactatttg gaatggactg aatgaggagg tctctccagc 300
cagaaggagt attgagggtca tcaggcctca gaaaacaatg tacacataat ctcggtgtgt 360
gaacaagaga aaggaggggg ggaaacatga aagtcaatct taacaatttt tgcaatacct 420
cttatttgca gaccattgga tttatgttat tgcactctcg gtgtgattta tcgtatgtat 480
ctgataggtt ttatgaattg ttttgagttg taaactccta taccctttat taaaatggac 540
ctaattaagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gtcgtatcga 590

```

&lt;210&gt; 1832

&lt;211&gt; 3266

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1832

```

ggaccagcta agggaggcaa gaagaagaag gatcctaattg ctcccaaaag gccaccgtct 60
ggattcttcc tgttctgttc agaattccgc cccaagatca aatccacaaa ccccggtatc 120
tctattggag acgtggcaaa aaagctgggt gagatgtgga ataattttaa tgacagtga 180
aagcagcctt acatcactaa ggcggaagg ctgaaggaga agtatgagaa ggatgttgct 240
gactataagt cgaaaggaaa gtttgatggt gcaaagggtc ctgctaaagt tgcccgga 300
aaggtggaag aggaagatga agaagaggag gaggaagaag aggaggagga ggaggaggag 360
gatgaataaa gaaactgttt atctgtctcc ttgtgaatac ttagagtagg ggagcgccgt 420
aattgacaca tctcttattt gagaagtgtc tgttgccctc attaggttta attacaaaat 480
ttgatcacga tcatattgta gtctctcaaa gtgtctaga aattgtcagt gggtttacatg 540
aagtggccat ggtgtctctg agcaccctga aactgtatca aagttgtaca tttttccaaa 600
cattttttaa atgaaaaggc actctcgtgt tctcctcact ctgtgcactt tgctgttggt 660
gtgacaaggc atttaaagat gtttctggca ttttcttttt atttgtaagg tgggtggaac 720
tatggttatt ggctagaaat cctgagtttt caactgtata tatctatagt ttgtaaaaag 780
aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg gcgttgaggc tgtggggaag 840
atgccttttg ggagaggctg tagctcaggg cgtgcactgt gaggctggac ctgttgactc 900
tgcagggggc atccatttag cttcaggttg tcttgtttct gtatatagtg acatagcatt 960

```



1143

```

ctgctgccat cttagctgtg gacaaagggg ggtcagctgg catgagaata tttttttttt 1020
taagtgcggg agttttttaa ctgtttgttt ttaaacaac tatagaactc ttcattgtca 1080
gcaaagcaaa gagtcactgc atcaatgaaa gttcaagaac ctctgtact taaacacgat 1140
tcgcaacggt ctgtttattt ttttgtatgt ttagaatgct gaaatgttt tgaagttaa 1200
taaacagtat tacattttta aaactcttct ctattataac agtcaatttc tgactcacag 1260
cagtgaacaa accccactc cattgtattt ggagactggc ctccctataa atgtggtagc 1320
ttcttttatt actcagtggc cagctcactt agggctgaga tgaaggagag ggctacttga 1380
agctactgtg tgattttgtt tgtgtctgag tggcattcag atgaagtctg gaggagttag 1440
gagaacgaca taggcaaggc tcagcagcct tccaaggtat aggaagggtg gtgattagga 1500
ctgaggctat ctaggtttta cttttgtccc acctccacc cctattttgt ggggccaaat 1560
gcattgctaa acagcaattt cagagtgtat ggtgtgtcaa aaattaaggc cttattgktt 1620
ttctctttca cccctacccc cctgtctcct ggcacatata acattatttg tgggtgcccc 1680
catttggggt cttgagcctg ctgctggtct cctggatgcc agtgagggtg tgtgggatgg 1740
gggtgggtggg taggggacgg tatectttt ttgctcctac ttggaaacac caaacacccc 1800
aaggaagatg ataggctcca tcttgggcca cctgagctat agggcaggct aatggaatca 1860
accatttctg agcactaaat gtatcatgaa aagttgaatg gcctgtcat aagtttagct 1920
cattcactgg aaatgtagat tgatgttcaa tgttaaactg gaaggagctt ggtttgtgtg 1980
tcagtgggta tattagtggg tagtgtaaca ttttatccag gttggggtga ggggagatgg 2040
ccacagtagc aagtgggtgac actaaatacc attttgaagg ctgatgtgta tatacatcat 2100
tactgtccgt agcaatgaag gatacagtac tgtgttgtgg gtgagtgttg ctattgcccc 2160
gcattaatat ttgggtgtgt atgtttgagg ctatgaaaca cgcaggagtg tttttgtgct 2220
attaatttta agagaaagca gctttttctt aaaattcact gttgagaaac ttgcatgtct 2280
ggaggcggtg tcctctccgc cctgtcgggt cctggatgag tacgagttat ggtcacggtc 2340
acagcctgat ctcttatgtg ttcatagcca ttcgtctctc catcagaact gtttgtcctg 2400
aatgtgttcc tctagtctta gaaaatgacc actaatttaa aaaactcggg tgtgaggttt 2460
gcccagaggc acttggtcca gaatttcccc tcctgttcca gccatgtcct tgtcacttgg 2520
cattctaagc taaagcttta gcttcccaat tcgtgatgtg ctaggccaag attcgggagc 2580
tgttgccagc ctctgcaaat atggaagaga aacaacctgc ggtcaaaagg gagtgatattg 2640
ttaagtgtg cgcgtctatc tcataactag atgtaccaac cagggaaggg ccaaggatgg 2700
aaaggggtaa cttttgtgct tccaaagtag ctaagcagaa gtgggggagc agtttagcca 2760
gatgatcttt gattaggcaa acattgagtt ttaaagaggc tgtcaagttg aggccacttg 2820
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gtctgtgtct cctgtgtgtg tctgttcttg tcacaaatgt atttggggac gttggatgca 3180
ttcattttct gtaataaagt ttcttaatca ctcttcccaa aaarwaaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaa 3266

```

&lt;210&gt; 1833

&lt;211&gt; 858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (848)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1833

## 1144

```

agattcattt ttccatttaa atttcagttt cttggatcac tgaatatggg aagggagagc 60
ttcactaatt agacgcagct tcttaagaac ttatatcttc ttgacatac atctcaacaa 120
aaaaaaaaatc taactgaaga actaagttga ttttttattt gccataaacc aagcaaaagt 180
aaatgcaata atttcgagat ttatggtaaa caaatttgag gtatggataa atctttcaca 240
tattttttat tgctcttttag taaagaaagg cacaagaaag aaaatatcca gctctcttgt 300
gttatctcag tgtggcgact gcagaaaatt gacaatgcct gcctgtgtaa atgtatggct 360
tactgtcaaa gcttcattct tggctgcatg ttgaaaatgt gattaaagt aatagaggag 420
atgaaawaag tatttgagat ttttttcaat aacactgaac ttctgccaac tttctctatc 480
cgctactgta ggcttgacag gctcatcaat catttgctgg tacctggact aaaaagcgca 540
cttgctgaca ccaaggcatg ttggaatttt cttaattcag tggatggaaa aagaaatact 600
tccaaaaata tcccacacat gaaaagggag gggagcctta aatgaaaatt ccctttgtac 660
cgtagacact ttttggaatg cgattaattg ccaacacatc attgaacgaa tgctgtaacc 720
aagaaattaa gattgtgtgt gtgaagggaa tatattctta actgtggcta cccaacttgt 780
atagcaaaga tttctgatag tttgtgttca tctcatgtga ataataaata ctttacccta 840
aaaaaaaanaa aaaaaaag                                     858

```

&lt;210&gt; 1834

&lt;211&gt; 297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1834

```

ataaagacat gtgaccttct tgggtggtat actggcaatt tttaaaatat ctgatttatt 60
gtcagctcac cacatgatgt gatatttggt catgttgaag tagtgtgaaa gtaggcacat 120
tagtatgaaa gtatttctat taaagctgna attgctataa taacactaaa tctgtgttg 180
gcatggaata actagatggg ttttaagaaag tactttcttt ggaagattgg gagaaagtac 240
tttaatttta acattaaaaa gattggtaac tgctattttc aacagcagtc cccttan 297

```

&lt;210&gt; 1835

&lt;211&gt; 1258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1237)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1835

```

acaagatggc caaagggtgct aaagagattg atatcgcagc gaccctggag cacttgagtt 60
cgcgctgaca gccagtggct gaggaggtga acgccatcct caaggccctt cccagtgag 120

```

1145

```
cggcagctca ggggcctcag gggagccccc accccacgga tgttgtcagc ccaagcagag 180
tgattcaggg gctccccggg ggcagacacc tgtgyacccc atgagtagtg cccacttgag 240
gctggcactc ccttgacctc acctttgcaa agttacagat gcacccaac attgagatgt 300
gtttttaatg ttaaaatatt gatttctacg ttatgaaaac agatgcccc gtgaatgctt 360
acctgtgaga taaccacaac caggaagaac aaatctgggc attgagcaag ctatgagggt 420
ccccgggagc acacgaaccc tgccaggccc ccgctggctc ctccaggcac gtcccgacc 480
tgtggggccc cagagagggg acatttcctt cctgggagag aaggagatca gggcaactcg 540
gagagggctg cgagcatttc cctcccggga gagatcaggg cgacctgcac gactgcgta 600
gagcctggaa ggggaagtga aaaccagccg accggccctg cccctcttc cggtatcact 660
taatgaacca cgtgttttga catcatgtaa acctaagcac gtagagatga ttcggatttg 720
acaaaataac atttgagtat ccgattcgcc atcacccct accccagaaa taggacaatt 780
cacttcattg accaggatga tcacatggaa ggcggcgagc aggcagctgt gtgggctgca 840
gatttcctgt gtggggttca gcgtagaaaa cgcacctcca tcccgccct cccacagcat 900
tcctccatct tagatagatg gtactctcca aaggccctac cagaggggaac acggcctact 960
gagcggacag aatgatgcca aaatattgct tatgtctcta catggtattg taatgaatat 1020
ctgctttaat atagctatca tttcttttcc aaaattactt ctctctatct ggaatttaat 1080
taatcgaaat gaatttatct gaatatagga agcatatgcc tacttgtaat ttctaactcc 1140
ttatgtttga agagaaactc cgggtgtgaga tatacaata tatttaattg tgtcatatta 1200
aacttctgat ttcacaaaaa aaaaaaaaaa aaaaaanccc gggggggccc ggaccatt 1258
```

&lt;210&gt; 1836

&lt;211&gt; 761

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1836

```
cagaatttac ccctgacgcg gcggcgggccg acgggaagct gtgtgtgctt aggtcgtggt 60
ggccccgggtg gtggtgggct ccggcggggc tcgcgtcatc ctgccccgc tgcgatgcat 120
ccgcggcgcc cggacggatt tgatggcttg ggctaccggg gtggtgccc ggacgagcag 180
ggctttggcg gcgccttccc tgcaaggtec ttcagcaccg ggtcggacct gggccactgg 240
gtgacgactc ccccagatat ccccggcagc cgcaacctgc actggggcga gaagagccc 300
ccctacggcg tgcccaccac ctccaccccg tacgaaggcc ccacggagga acccttttcc 360
agtggcgggc gcggcagtggt gcargggcag agcagtgaac agctgaatag atttgctgga 420
tttggtattg gacttgcaag tctctttaca gaaaatgtat tggcacatcc ttgcattggt 480
ctacgccgcc aatgtcaggt taattaccat gctcagcatt accatctcac tccatttaca 540
gtcatcaata ttatgtacag tttcaacaaa actcagggac ctagagccct gtggaaagga 600
atgggaagta catttattgt ccaggggagc acacttgagc cagaaggcat aattagtga 660
tttacacctt tgccaaggga ggttttacat aaatggagtc ctaaacaat aggagaacac 720
cttctactga aatccctaaa cttacgtggt ggcaatgcct t 761
```

&lt;210&gt; 1837

&lt;211&gt; 925

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1146

<221> misc feature  
 <222> (114)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (352)  
 <223> n equals a,t,g, or c

<400> 1837  
 aagacattgg accagagtgg agacgcgccc ttgtccccgg gagggggcgg ggcagcctcg 60  
 ggctgcggct cgaggccacg cccccgtgcc cagggcgggg ttccggggacc ggnntgccgg 120  
 cctcccttcc cctatggact cctcgacccc cctectaccc ctccctcgc gcgctcgcgg 180  
 acctcgctgg agccggtgcc ttacacagcg aacgcgggga ggggcagggc cccctgacac 240  
 tgcagcactg agacacgagc cccctccccc agcccgtcac ccggggccgg ggcgaggggc 300  
 ccattttcttg tatctggctg gactagatcc tattctgtcc cgcggcggcc tncaaagcct 360  
 cccaccccac cccacgcaca ttcttggtcc ggtcgggtct ggcttggggg cccctttct 420  
 ctgtttccct cgtttgtctc tatcccgccc tcttgctgct tctctgtagt gcctgtcttt 480  
 ccctatttgc ctctccttcc tctctgtcct gtctgtctct gtccctcggc cctccctggg 540  
 tttgtctagt ctccctgtct ctctgattt cttctcttta ctattctcc cgggcagggtc 600  
 ccactggaag gaccagactc tcccaaataa atccccacac gaacaaaatc caaaaccaa 660  
 tccccctcyc taccggagcc gggaccctcc gccgcagcag aattaaactt ttttctgtgt 720  
 ctgaggccct gctgacctgt gtgtgtgtgt gtgtgtgtgt gttgggggag ggtgacctag 780  
 attgcagcat aaggactcta agtgagactg aaggaagatg ggaagatgac taactggggc 840  
 cggaggagac tggcagacag gcttttatcc tctgagagac ttagaggtgg ggaataatca 900  
 caaaaataaa atgatcataa tagct 925

<210> 1838  
 <211> 542  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (421)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (473)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (509)  
 <223> n equals a,t,g, or c

<400> 1838  
 ggcacgaggt tgaaaataac acattaggaa gtccagctgc ctcagagctt ttagagcatc 60  
 tcaaacctac ttattggttt tctgcccacc ttcatgtgaa gtttgccgcc ttgatgcagc 120  
 atcaggcaaa ggataaagga cagacagcca gagcaaccaa atttttagcc ttggacaaat 180

1147

```

gcttaccaca tagagatttt cttcagatat tagagataga acatgacccc agtgcctcctg 240
attacttgga atatgatatt gaatggctca ctattctcag ggctacggat gatcttatta 300
atgtgactgg gcgcctgtgg aatatgccag aaaataatgg cctgcatgca aggtgggatt 360
atagtgaac agaagaagg atgaaagaag tattggaaaa attgaatcat gatctcaagg 420
ntccatgtaa ctttagtgta acagctgctt gttatgatcc tagcaagcca canacacaaa 480
tgcagctgat tcataggatc aatcctcana caactgaatt ttgtgcccaa cttggcatca 540
ta 542

```

&lt;210&gt; 1839

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1839

```

tgcctataaa attacactgc ctccaattat gaaattcagg gatcttgtag ataattctaa 60
gtttgggaca gaaatttaca agcgatttct catatataca tacatttata tatgtacatg 120
ttacatatat ttagatgtat tctcatatac atatgaaaat atttatgatg aatagaatta 180
taagatatgt atgtatcttg cactgaatca taatttgaaa tatttcatga attcatttac 240
ttctattgac tcccaaaaatt ctaackgcaa gctagcttca gaacctgtga gaacccacc 300
ccacccaagc agctgcctag atttgtctac tgctatcatt ttgtgtaaag cagttgttct 360
aacttgaatg agtctagaat tcatcattaa gattgtgata tttatagagc atccaatgtg 420
gagatcatga tactttaaat at 442

```

&lt;210&gt; 1840

&lt;211&gt; 515

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1840

```

ttaccctcac taaaggggnc aaaagctggn gctccaccgc ggtgacgacc gctctagaac 60
tagtggatcc cccgggctgc aggaattcgg cagagacca gctcaccgc tgtcagctgg 120
ggtcctgctc tgggtgggagg aagaggctca gacgcttccc tgccctctcg cctcaaccam 180
ctcgargcag cggctcccag gatgtgcamb ttgacgacta aagctgagcc ggcgccgcac 240
gaccttgggc ggggtggtcgg cctctgccct gagcaggaag tagaaagtct cagcagaccc 300
ttcctgaggg ccgagcaaca gtgtagtggc gtattccaca tagcaaacag ttttctgaag 360
ctcagagggg caccttgtat tgctggatga taaaaacagg agcaaagtga tgaagtgctg 420

```

## 1148

acaaggcaac aatagaacat gagagattca ctgctgtgta ggaagagatc ttcggtgacc 480  
 atgtagcctg aagctctcat tttgtcaatc gaggg 515

<210> 1841

<211> 1027

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1022)

<223> n equals a,t,g, or c

<400> 1841

ccacgcgtcc gagccttcgc cggcgtcccg acccgaggcc ggacccgagg ccagtcccgc 60  
 cgctgcgcag ccgaagccag tgcggggcct gagagggacg cgcgccccgg ggcccccgcc 120  
 gcgggcacca tgggcgctgc ccactccgcg tctgaggagg tgcgggagct cgagggcaag 180  
 accggcttct catcggatca gatcgagcag ctccatcgga gatttaagca gctgagtgga 240  
 gatcagccta ccattcgcaa ggagaacttc aacaatgtcc cggacctgga gctcaacccc 300  
 atccgatcca aaattgttcg tgccttcttc gacaacagga acctgcgcaa gggaccaggt 360  
 ggcttggtg atgagatcaa tttcgaggac ttcctgacca tcatgtccta cttccggccc 420  
 atcgacacca ccatggacga ggaacagggt gagctgtccc ggaaggagaa gctgagattt 480  
 ctgttccaca tgtacgactc ggacagcgac ggccgcacat ctctggaaga atatcgaaat 540  
 gtggtcgagg agctgctgtc gggaaaaccct cacatcgaga aggagtccgc tcgctccatc 600  
 gccgacgggg ccatgatgga ggcggccagc gtgtgcatgg ggcagatgga gcctgatcag 660  
 gtgtacgagg ggatcacctt cgaggacttc ctgaagatct ggcaggggat cgacattgag 720  
 accaagatgc acgtccgctt ccttaacatg gaaaccatgg cctcttgcca ctgaccacc 780  
 gccacctccg cggagaaact gcactttgca atggggccgc ctccccgcgt agctggagca 840  
 gccaggccc ggcggacagc ctcttcctgc agcgccggtg catagccaag gctcgtctgc 900  
 gcaccttgtg tcttgtaggg tatggtatgt gggacttcgc tgtttttatc tccaataaaa 960  
 aaaaaaaaaa ggtttggttaa waaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020  
 anggggg 1027

<210> 1842

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 1842

atcttgtggr akgttttaca gacaagttag ccaagacaca gataagttag gttacggggc 60  
 aaagtaatac agtgattgag cagtggagct gaaggagatc caggcagctt gactggcaga 120  
 gcctttttct tcaccacgac atgggcagag gttagagagt tttgccacac tggcggtcga 180  
 gtgacacatc aaggagggat gtggttcgag caggctaaag gccataggaa gggaggagct 240  
 ggagactcca ggtgcgcagc caccttgggt ggctggggtg gggcaggagg ccgcagcaac 300  
 agagacgggg tgggattgaa gaagtctttt ttttttctnt tttttaaaca aaagaaatag 360  
 aacttgtcta tatgctgggg tktgggaaag gagcaagtag atggagagag gctgaagata 420

1149

cttgcttctg gggaggagct ggag

444

&lt;210&gt; 1843

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (516)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1843

```

gcctatttga atggaatcct gctctttgga catatgctga agatatttct tgaaaatggc 60
gaaaatactt accaccccca aatttgctca tgctttcagg aatctcactt ttgaagggta 120
tgacggtcca gtgaccttgg atgactgggg ggatgttgac agtaccatgg tgcttctgta 180
tacctctgtg gacaccaaga aatacaaggt tcttttgacc tatgataccc acgtaaataa 240
gacctatcct gtggatatga gcccacatt cacttggaag aactctaaac ttcctaatga 300
tattacaggc cggggccctc agatcctgat gattgcagtc ttcaccctca ctggagctgt 360
ggtgctgtcc tgctgctgct ctctgatgc tcagaaaata tagaaaagat tatgaacttc 420
gtcagaaaaa atgggtccac attcctcctg aaaatatctt tcctctggag accaatgaga 480
ccaatcatgt tttagcctcca gatcgatgat gacaanagac ganattccat ccagaagact 540
acaacagtgc                                     550

```

&lt;210&gt; 1844

&lt;211&gt; 326

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1844

```

caattgcagg tgtccatgcc tcccacacat ggggacctag tgggttttga cagcgtggtg 60
tccagtccta gcccctcag tgcttgetgt tcacacttaa gcaagtraag gcctgaaggt 120
gccagctgt gccctcaggg gaaacttaag tcacccgccc tgtcagcact tggcccttgt 180
cgggcagtga gagtggagct gcccgcgag accctcagga gccatgcagt tcacagcagt 240
agctggatyt ccctgaggac atttgtcctt gcatacttta atgatttgtc cacagaaaca 300
ccgggttgtc ttcctctgcc cctcct                                     326

```

&lt;210&gt; 1845

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

&lt;223&gt; n equals a,t,g, or c

## 1150

<220>  
 <221> misc feature  
 <222> (532)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (561)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (570)  
 <223> n equals a,t,g, or c

<400> 1845  
 cgaaattaga aaagggtgatg aatttggagg aaggggaatt ggctgcacct gtttctgata 60  
 tgttcagaag cttaatgaat ataatatctt aatttaaata aactgtttga ttgagaaaag 120  
 aggtagccac attattgttt agaaatgata gactgttatt gacttttggg gtagctggga 180  
 agctggagaa gaggtagtat gtagtttgct tttgatttca aaatgccacc tcttctgatt 240  
 ccagatacaa ttatcttttg gcacatttcc taattagcat taggttctta taaatgaaat 300  
 tttattttac acacagtttt taatggaact tacttttgaa catcacgaaa gttatctcta 360  
 gcccttttca tgccttargt gctgatrage attccgttta tcataagcta tgtcattagt 420  
 ctcagcttcc tagtgggaag taaaactcat agncaattct ctcagtcac catggatata 480  
 tagctagggtg ggggccagat gatgtgaaaa ttaacatatt gttatttagg gngccttggt 540  
 tttcatttta aggtgggttc nggcacctn gtttgaa 577

<210> 1846  
 <211> 732  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (190)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (194)  
 <223> n equals a,t,g, or c

<400> 1846  
 cagcgatttc tgaactgaac gcaggcaagg gacgcgagag acaaatttta caggaaaacca 60  
 ttcacaactt tcaactcttcc tttgagagca gtgccagcaa caccagggcc cctggcaaca 120  
 gccctgtgct gtgatcctcc ttcccgagc caccarccca tgggtgggtg ggtgaggcca 180  
 gaagaaactn cctncggcaa gaggtagcag ccgctcaggt ggytctsetg gcacgggagc 240  
 ccacagaagt raggagtggc cgatggacct gccctccaaa tgtgcctgac tctgggtctt 300  
 gctgtcactg gatttcctgg catggcagac agaaagaaag atagtttgac caagtcgtag 360  
 aagctgatcc agcgggtaaa aagggggcag ggaactcgtc ccttttattc ttgcctcaga 420



## 1151

```

gctgcctgaa gacatgggcc aggccggagg ctggacaact ttggataacg ctgacctgta 480
cttccaagta aatgcctcct gaagagcccg ggacccttcc tgggagaatt ctgcagccag 540
aatgaagggtg ccatcagcag gaggcactgt gaagcaccat cctgtcgtg tccttgcca 600
ttcctagcaa gttaatcgtg tcttgttaac cagcagttcc tgttcaacgt gtaaagagac 660
ctgatgtttt ccctaataaa gctgataaca gattttgcag gaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaag tc 732

```

&lt;210&gt; 1847

&lt;211&gt; 316

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1847

```

gcgggctctg agtgcctctk cccgtccggc cccagccggc gcccggaat ctacgtcacc 60
cgaaaagcga ctataaacgc cggcgctcc gtccccagcc gcggctcggg aatccacccg 120
aagagtggct ataaacgtcc gcgcctccat tgcgtctctc tcttcaacta ggacactggt 180
cctcccacgc ctgacaccga cgtcgccagg acccggggt tgggggaact tggtgtccc 240
acgtctttca aataaagctg ttttgtctaa ctcaaaaaaa aaaaaaaaaa aancgagttt 300
tttttttttt ttttna 316

```

&lt;210&gt; 1848

&lt;211&gt; 717

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1152

<221> misc feature  
 <222> (572)  
 <223> n equals a,t,g, or c

&lt;400&gt; 1848

```
cgagcagtag cgngaagnca gacgnacgta tagggaaagc tggtagcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cgggagaagt gctcttttct acttggtggg 120
tctcccattg gaaacataat cctatagtc cagaaggatt cagtccccag tggctttccc 180
atccaaagag aaagagtttg agtttcttaa ctctgctgtt ctgccactta ctcccactag 240
acaaccaggg acaagggtgca acatggaagt gtttgactta agtaggagca gaggagctgc 300
atctaatactc atcatacctg gaacttgaca cacttaagca aatgccttcc catccctacc 360
tgccagatgc ccccaactca atgaagttgg atgtctcacc agcttgatac cctttgaatt 420
ttcagtcaga cattctggag ttctagcatc ctgtacctag gaccttctc tgtgtcactc 480
ttggcctcct aaactctaag aaaataacta tattctggag cttgggcagt gtgttttgca 540
taatccagca atctcctcat gacatgcatg tnttgatagt cctgaaacat tcattgagag 600
ggtaaatgca gttgacctag aatgaccaat accaaacaga attttaagaa cagggtggcca 660
actcctatgg agcttactca catattacta ttcttttaag aacggaaaag taaaatt 717
```

<210> 1849  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (348)  
 <223> n equals a,t,g, or c

&lt;400&gt; 1849

```
gggacgagga agccaaggac gaaaaggcag agcccaacag ggacaaatca gttgggcctc 60
tccccagggc ggacccggag gtttcagaca ttgaatccag gattgcagcc ctgagggccg 120
cagggtcac ggtgaagccc tcgggaaagc cccggaggaa gtcaaacctc ccggtctctt 180
atgaggggac tctgagcctc tgctctgagg atctgaaaca cacacacct gacagtgtaa 240
aatccaaaag gagccgctg aatcatgttg cctcatgtgg aaatcttagt ccgccgccac 300
gtgaagatgg atgtgactag aacggagggc gccggaagct yacatyanar garctgctca 360
cgt 363
```

<210> 1850  
 <211> 536  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (507)  
 <223> n equals a,t,g, or c

&lt;400&gt; 1850

```
gtaaaaatga gacgaccacc tctcggatta aaaaaaaaaa gtgccagagt tctagggttc 60
taagtgatgt ccaggaagga ggaggaataa ttttatgga gcatatatta tggaacacag 120
tgagtatagt acctgccttt aaatgaatac tgttggtttt ttaggacagt tgcttttttt 180
```

## 1153

```

tcttttttct tcagctgtgt gcagttgatt aacttgtaga gagcctatca cacaatagat 240
gtttaagaaa tattaagtga atgaatgagg cagcattgct aatttttgta tagtgagaca 300
gtatctcaca gtccaggctg gagttcagtg gcattaacat aactcactgc agccttgaac 360
acctgagctc aaacgatacct ttcaccttat cctccagagt agctgggact acagtgcgct 420
gtcaacatgc ctggctaatt ttagttttct aattttttta gagttgggat ctactatgt 480
tgcttagact ggtcttgaac tcctggntct atgccatcct cttgcctcag ctggta 536

```

&lt;210&gt; 1851

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1851

```

gcttgacctg cggcagtgca gcccttggga ctccctcgc ctccacctc ctgctcgtct 60
gcttcacaag ctatcgctat ggtgttcgtg cgcaggcctt ggcccgcctt gaccacagtg 120
cttctggccc tgctcgtctg cctaggggag ctggctcagc cctaccccat caaaccgag 180
gctcccggcg aagacgcctc gccggaggag ctgaaccgct actacgctc cctgcgccac 240
tacctcaacc tggtcacccg gcagcggat gggaaaagag acggcccgga cacgcttctt 300
tccaaaacgt tcttccccga cggcgaggac cgcccgcgtc gtcgcggtaa aagcgcccgt 360
taccacacat cctgcatccg agagcgcggc ctggccctac cctggcaaca tcatttaacg 420
acgtctccca ggctcgcctc cccagatcca attcttncct tcgttncgca gtcggagggc 480
caaactgtgg tgaggacctt gaggtctctg gagnetgcca acagccagtc atttga 536

```

&lt;210&gt; 1852

&lt;211&gt; 2005

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (903)

1154

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1852

```

ctatcagacg atgaattgaa acacctcatt ctcagggcag cagatggatt tttgtttgtn 60
gtaggatgtg accgagggaa gatactcttt gtctcagagt ctgtcttcaa gatcctcaac 120
tacagccaga atgatctgat tggtcagagt ttgtttgact acctgcatcc taaagatatt 180
gccaaagtca aggagcagct ctctctctct gacaccgcac cccggggagcg gctcatagat 240
gcaaaaagat gaagtgtaac aggccttcag taaargttga agacaaggac ttccccyctw 300
cctgtctcaa gaaaaaagat cgaaaaagct tctgcmcawt ccacagcaca ggctatttga 360
aaagctggcc mcccacaaag tggggctgga tgaagacmac gaaccagaca atgaggggtg 420
taacctcagc tgcctcgtcg caattggacg actgcattct catgtagttc cacaaccagt 480
gaacggggaa atcaggggtga aatctatgga atatgtttct cggcacgcga tagatggaaa 540
gtttgttttt gtagaccaga gggcaacagc ttttttgcca tatttaccac aagaacttct 600
aggcacatcg tgttatgaat attttcacca agatgacata ggacatcttg cagaatgtca 660
taggcaagtt ttacagacga gagaaaaaat tacaactaat tgctataaat ttaaaatcaa 720
agatggttct tttatcacac tacggagtcg atggttcagt ttcatgaacc cttggacca 780
ggaagtagaa tatattgtct caactaacac tgttgttttg tccagagtgg acaccggaca 840
ccttggccaa gttgaaaggt gcacagttct gaggcaggcc tgacttcacg tttccttatt 900
gcntgggatg ttcacagagc caacgtcctg gaaggcgggg acccaacctt cccacagctc 960
acagcatccc cccacagcat ggacagcatg ctgccctctg gagaagggtg cccaaagagg 1020
accaccccca ctgttccagg gattccaggg ggaacccggg ctggggcagg aaaaataggc 1080
cgaatgattg ctgaggaaat catggaaatc cacaggataa gagggtcacg gccttctagc 1140
tgtggctcca gccattgaa catcacgagt acgcctcccc ctgatgcctc ttctccagga 1200
ggcaagaaga ttttaaatgg agggactcca gacattcctt ccagtggcct actatcaggc 1260
caggctcagg agaaccagg ttatccatat tctgatagtt cttctattct tggtgagaac 1320
ccccacatag gtatagacat gattgacaac gaccaaggat caagtagtcc cagtaatgat 1380
gaggcagcaa tggctgtcat catgagcctc ttggaagcag atgctggact ggggtggcct 1440
gttgacttta gtgacttgcc atggccgctg taaacactac atgttgcttt ggcaacagct 1500
atagtatcaa agtgcatcac tgggtggagt ttacagtctg tgaagcttac tggataagga 1560
gagaatagct tttatgtact gacttcataa aagccatctc agagccattg atacaagtca 1620
atcttactat atgtaacttc agacaaaagt gaactaagcc tgctccagtg tttcctcatc 1680
attgattatt gggctagctg tggatagctt gcattaattg tatatttttg attctgtttg 1740
tgttgaattt tttaatcatt gtgcacagaa gcatcattgg tagcttttat atgcaaattg 1800
tcatttcaga tgtatgggtg ttttacacta caaagaagtc ccccatgtgg atattttctta 1860
tactaattgt atcataaagc cgtttattct tccttgtaag aatcctttac tataaatatg 1920
ggttaaagta taatgtacta gacagttaaa tatttttaat aaatgtttcc cttgttctat 1980
aaaaaaaaa aaaaaaaaaa aaaaaa 2005

```

&lt;210&gt; 1853

&lt;211&gt; 566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1853

```

gtggacgcgt gggcggagcg gtgggacagg atgggagctt tgatgggtgga ggcggaaaga 60
aagatccagc gcaggagaga caattgaagc aaaggccttg agttgagaat tggccgtgcc 120
ctcatccttt cctgtttcct tttgttttg gcaatgaaaa gagcatggac tttggggttg 180
gatgtgcctg cattcaggtc ttgacactgc tgtattaccg ctcccaattt cttcatgaaa 240
caagattaac agtatcactt gtatcagtta gggtttgttg gttatgagca acctaaacct 300
actctggcta acttaaacat aaaaggaatc tattgggatc tattgacctg ccaagcctca 360
gaaaggacag gaatcaggga agcttcagag acctaaagag cagcagctga tagtatcttc 420

```

## 1155

agagtgctgc tgtcagaata aacctacaag ggckggtttc tctccttgte ccaaccagat 480  
 caagggttcag attcctgaga aagaacctcc gtgggttagga agaacacaag cacattgatt 540  
 gacagcacta ggggaggtgt tgttcc 566

<210> 1854

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<400> 1854

gantaccgtt tctcgagtcc gggcattgta caagcgcgtc ttgcagctgc accgtgttct 60  
 gcccccgac ctcaaatccc tgggcgacca gtacgtgaaa gacgaattta ggagacataa 120  
 gaccgttggg tctgacgagg cacagcgttt cttgcaagaa tgggaggggt ttaagtgcct 180  
 aaagtcaggg agagaaaagg agacagtatt taaggaattt aagatcttga agtggaaaag 240  
 gcctanaaga 250

<210> 1855

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1143)

<223> n equals a,t,g, or c

<400> 1855

ggctaaataa gctatcgggc ccataccccc aaaatggttg ttataccctt cccgtactaa 60  
 ttaatcccct ggcccaaccc gtcactact ctaccatctt tgcaggcaca ctcatcacag 120  
 cgctaagctc gactgattt tttacctgag taggcctaga aataaacatg ctagctttta 180  
 ttccagttct aaccaaaaaa ataaaccctc gttccacaga agctgccatc aagtatttcc 240  
 tcacgcaagc aaccgcatcc ataacccttc taatagctat cctcttcaac aatatactct 300  
 ccggacaatg aaccataacc aatactacca atcaatactc atcataatga atcataatgg 360  
 ctatagcaat aaaactagga atagccccct ttcactttct agtcccagag gttacccaag 420  
 gcacccctct gacatccggc ctgcttcttc tcacatgaca aaaactagcc cccatctcaa 480  
 tcataacca aatctctccc tctaataacg taagccttct cctcactctc tcaatcttat 540  
 ccatcatagc aggcagttga ggtggattaa accaaaccca gctacgcaaa atcttagcat 600  
 actcctcaat taccacata ggatgaataa tagcagttct accgtacaac cctaacataa 660  
 ccattcttaa tttaactatt tatattatcc taactactac cgcattccta ctactcaact 720  
 taaactccag caccacgacc ctactactat ctgcacctg aaacaagcta acatgactaa 780  
 cacccttaat tccatccacc ctctctctcc taggaggcct gcccccgcta accggctttt 840

## 1156

```

tgcccaaatg ggccattatc gaagaattca caaaaaacaa tagcctcatc atccccacca 900
tcatagccac catcaccctc cttaacctct acttctacct acgcctaate tactccacct 960
caatcacact actccccata tctaacaacg taaaaataaa atgacagttt gaacatacaa 1020
aaccaccccc attcctcccc acactcatcg cccttaccac gctactccta cctatctccc 1080
cttttatact aataatctta taaaaaaaaa aaaaaaaaaa tcsagggggg gcccggtacc 1140
canttcgccc tatagttag                                     1159

```

&lt;210&gt; 1856

&lt;211&gt; 936

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1856

```

ggcacaagac caaaactcca aatgcatcgg cactgacctc aacaggaatt ttaatgcttc 60
atggaactcc attcctaaca ccaatgaccc atgtgcagat aactatcggg gctctgcacc 120
agagtccgag aragagacga aakctgtcac taatttcatt agaagccacc tgaatgaaat 180
caagggtttac atcaccttcc attcctactc ccagatgcta ttgtttccct atggatatac 240
atcaaaaactg ccacctaacc atgaggactt ggccaaagtt gcaaagattg gcaactgatgt 300
tctatcaact cgatatgaaa cccgctacat ctatggccca atagaatcaa caatttacc 360
gatatcaggt tcttcttttag actgggctta tgacctgggc atcaaacaca catttgcttt 420
tgagctccga gataaaggca aatttggttt tctccttcca gaatcccga taaagccaac 480
gtgcagagag accatgctag ctgtcaaatt tattgccaag tatatctca agcatacttc 540
ctaaagaact gccctctgtt tggaataagc caattaatcc ttttttgtgc ctttcatcag 600
aaagtcaatc ttcagttatc cccaaatgca gtttctatct cactgaatc cttctcttgc 660
tcattttaagt cccatgttac tgetgtttgc ttttacttac tttcagtagc accataacga 720
agtagcttta agtgaaacct tttaactacc tttctttgct ccaagtgaag tttggacca 780
gcagaaagca ttattttgaa aggtgatata cagtggggca cagaaaacaa atgaaaaccy 840
tcagtttctc acagattttc accatgtggc ttcataatc tatgtgctaa tacaataaaa 900
taaatgacac ttaatgcttt aaaaaaaaaa aaaaaa                                     936

```

&lt;210&gt; 1857

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1857

```

gcagtgcctag atattgtttt aaattattty cattttaaac aagatgcctt ctaagctatt 60
gagcttatta aaaataatct tacatgttta cttagttgga gcaaaaataa gtctatttta 120
acaaatagct ttgtttttgc atgctaattg cagaaaggca tacgatgcac attatgctgt 180
tttaaagggt ttaccaccct tgtaaaaact ataactctaa atgggtttat ttgctgttac 240
acaaacaaca ctacataaaa cattttttcc taaatggtac aaatttataa actatcattt 300
ttcacttacg gtatttgtaa atactacact acaaaaatca gctttctgag aaagaaataa 360
tcatttattt atgatattga aaatttctac agtaaactc caaaaccaag caaaaaacat 420
ttgtaagata cacgggtatc atttgaggca acggtttttg taactaatgt gtttcatttt 480
ttaaataaag acaactaaaa ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 534

```

&lt;210&gt; 1858

&lt;211&gt; 1730

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1157

&lt;400&gt; 1858

```

gttctacctc ggtagcagca ccgcttctga tttccttgca gtggagatgc ggcgagggag 60
agtggccttc ctgtgggacc tgggctccgg gtccacacgc ttggagtffc cagactttcc 120
cattgatgac aacagatggc acagtatcca tgtagccaga tttggaaaca ttggttcaact 180
gagtgtaaaag gaaatgagct caaatcaaaa gtcaccaaca aaaacaagta aatccccctgg 240
gacagctaata gttctggatg taaacaattc aacactcatg tttgttggag gtcttggagg 300
acaaatcaag aaatctcctg ctgtgaaggt tactcatttt aaaggctgct tgggggaggc 360
cttcctgaat ggaaaatcca taggcctatg gaactatatt gaaagggaag gcaagtgccg 420
tgggtgcttc ggaagctccc agaatgaaga cccttccttc cattttgacg ggagtgggta 480
ctctgtcgtg gagaagtcac ttccggctac cgtgaccagc ataatcatgc tttttaatac 540
cttttcacct aatggacttc tttctctacc tgggttcata cggcacaaaa gactttttat 600
ccatcgagct gtttcgtggc agagtgaagg ttatgactga cctgggttca ggacccatta 660
cccttttgac agacagacgt tataacaatg gaacctggta caaaattgcc ttccagcgaa 720
accggaagca aggagtgcta gcagttatcg atgcctataa caccagtaat aaagaaacca 780
agcagggcga gactccggga gcatcttctg acctcaaccg cctagacaag gacccgattt 840
atgtgggtgg attaccaagg tcaagagttg taaggagagg tgtcaccacc aaaagctttg 900
tgggctgcat caagaacctg gaaatatcca gatcaacctt tgacttactc agaaattcct 960
atggagttag aaaaggctgt ttactggagc ccacccggag tgtagcttc ctgaaaggcg 1020
gtacattga attgccaccc aaatctttgt caccagaatc agaatggctg gtaacatttg 1080
ccaccacgaa cagcagtggc atcatcctgg ctgccctcgg cgggggatgt ggagaagcgg 1140
ggtgatcgtg aggaagcaca cgtgccctts ttttcctgca tgctgatcgg aggcaacatt 1200
gaggtagatg tcaatcctgr ggrtgggaca ggcytgagaa wagctctcct gcacgctccc 1260
acgggtacct gcagtgatgg acaagcgcac tccatctcct tggtcaggaa tcggaggtag 1320
ttgcacgcgg ccaggcagtg tgtaatgaag gtgtgggtgag ctgagaggga atgtgggagg 1380
aaccttgccg tggtgccctg grcggctaga tgactggggt catcggcac cagacgattc 1440
tagaaccttg ctaggattct ttcctgggaa ccagtttcat ctgctttgta ataagatact 1500
tgtagaatth ttataattaa acaactttag ctctgccctt tactggggcc cagcataaat 1560
tgtctttaca ttggattgat tctgtggcaa atagtagtac actattagta aatagtatta 1620
tatcaatagt aaatagcatt atatcaacat tcctgtatat ttccctccaa aatatagact 1680
gaatgcttta aaagcacact gggcattttc atcataggta aagagggtta 1730

```

&lt;210&gt; 1859

&lt;211&gt; 890

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (495)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (883)

&lt;223&gt; n equals a,t,g, or c

1158

&lt;400&gt; 1859

```

ctcagagtag ctggattttt ctaaagcaat tgcagaacac ctgctttttc tttgtttcct 60
ctagaaagga ccaaccacrc cgagctcagt tatggcacac acagtgggac ctagacaaag 120
ggagagggtg accgacatcc caactaggta aacacagagg aggttccaca tggacttata 180
tgggtggctg ttttgaaaac gagaaacagt caagagtccc tggccccaca gaccacctc 240
cccaactcag cactgtctgt ctgtgcagca ggtgcaagga cgtgttgaac tagctctctg 300
cagcctcctt ggaggatgtg atcctatggg aggggtagga gtattcagtc cttgacatyt 360
cccaaatgtg tgattccggg atgccaaagg cctttggcca ggtaatgcag tgytacagg 420
ytgagggttg catgcatccc caccctctga gaaaaagatc ctcagacaat ccatgtgctt 480
ctcttgtcct tcatnccacc ggagtctgtc tcanacccaa cyagatttca gtggagtga 540
gttcaggagg catggagctg acaaccatga ggctcggca gccaccgcca ccaccgccgc 600
cgccaccacc gtagcagcag cagcagcagc agcagcagca agagtaactc tgacttagga 660
atagagacag ccagagagaa atgtgatcaa tgaaggagac atctggagtg tgcgtgcttc 720
ttcagagggg cgggtgatgg gcagattgga aaaagcaccg cagatgggaa ccttaattct 780
tcttttctaa aattgatgct atgaaaattt gcgttttctg taacttgtaa aaactaaaag 840
ttgcttgtct actgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 890

```

&lt;210&gt; 1860

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1860

```

aaattaaccc tactaaagg gnncaaaagc tgggagctcc accgcggtga cgnccgctct 60
agaactagt gntcccccg gctgcaggaa ttcggcacga gaacaactga aggtgaagaa 120
atcactgagt caagtagcac tgaagaaatg gaggtcagaa gtgtggtggc tgatactgac 180
caaaaggctt taggaagtga agttcaggat gcttctaaag tcaactactca gatagataaa 240
gagaaaaaag aaattccagt gtcaattaaa aaagagcctg aagttactgt agtttcacag 300
ccactgaac ctcagcctgt tytaataccc agtattaata tcaactctga cagtggagaa 360
aataaagaag aaatagggtt tttatcaaaa actgaaacta ttctgccacc agaattctgag 420
aatccaaagg aaaatgataa tgattcaggc actgggtcca ctgctgatac tagcagtatt 480

```



1159

gacttgaatt tatccatctc tagctttcta agtaaaacta aagacagtgg atcgatatct 540  
ttacaagaaa caaaaaaa 558

<210> 1861

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (807)

<223> n equals a,t,g, or c

<400> 1861

acnaacnctt actaaaggga acaaaagntg gaagctccac cgcggtgtng accgctctag 60  
aactagtgga tcccccgggc tgcaggaatt cggcagcagc agggtcaggg ccagagccag 120

## 1160

```

aatccgaatc agaatcagag tcagaaccca aatccgaatg ccaatcagaa cctgactcag 180
aatctgatgc agaatctgac tcagagtttg agccagaagg agaaccggga aagcccgaag 240
cagaactcag gcaaggagca gaatgataac accagcaatg gcaccaacga ctacataggc 300
agtgtagaga aatggcggtta aatgggtcaa aaaggcctgt acatacttct cccaaagcgc 360
cactgaaaag atggcatagc ttaaaagatg aaagtgtcca aacacatcct gcttccttca 420
ttgggggaagt tttaaaaaaa gtttagatgt tgcctttaca gttgcctttc aattcagtgt 480
tatactgtgt gtaggtaaaa caaatctcaa tatggaatta aattgtcttt ttgggggttg 540
actaaatatg aaatccgaaa gccaaaccag actcaccaga aattgctgtt tagatatttt 600
aagaagttct taaattagtt atggagacaa agtgaaaaca taaaatgtga ccatttaact 660
tatggctaag aaatggactt tnaaattnat tccatggata cactgttaaa acccaatctt 720
ggaatcaaat attttttccc aggggggtgga ggaataagta ttaaacatta agggcaactt 780
aaaatggnaa cataaaacct tttattntcc ttctggattt taaacaaggg atctatttta 840
aat
843

```

<210> 1862

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<400> 1862

```

gggtgaaggc catttgggca agccagggyg gctgcgaggc cgatctccct gacccagggc 60
cggagttgcc cggagcctgc caccgctctc agccagcccg catccttctc tgttcttccc 120
ntcccccgtc tgccacggcg cgggtatccg cagccacagc ccggcgcccg tgaggcggcr 180
aagggggagg ggaggaatca agggatgagc gccggaaggc cgtmgggggc cctgagccgn 240
actaggacgg cccttggggc cgga
264

```

<210> 1863

<211> 1882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<400> 1863

```

ngcggcagat cttccagtcc ctgccgccct tcatggacat cctcctgctg ctgctgttct 60
tcatgatcat ctttgccatc ctcggtttct acttgttctc ccctaaccct tcagaccctt 120
acttcagcac cctggagAAC agcatcgtea gtctgtttgt ccttctgacc acagccaatt 180
tcccagatgt gatgatgcc tcctactccc ggaacccttg gtctgcgctc ttcttcatcg 240

```

## 1161

```

tgtacctctc catcgagctg tatttcatca tgaacctgct tctggctgtg gtgttcgaca 300
ccttcaatga cattgagaaa cgcaagttca agtctttgct actgcacaag cgaaccgcta 360
tccagcatgc ctaccgcctg ctcatcagcc agaggaggcc tgccggcatc tcctacaggc 420
agtttgaagg cctcatgcgc ttctacaagc cccggatgag tgccagggag cgctatctta 480
ccttcaaggc cctgaatcag aacaacacac ccctgctcag cctaaaggac ttttacgata 540
tctacgaagt tgctgctttg aagtgggaagg ccaagaaaaa cagagagcac tggtttgatg 600
agcttcccag gacggcgctc ctcatcttca aaggtattaa tatecttggtg aagtccaagg 660
ccttccagta tttcatgtac ttggtgggtg cagtcaacgg ggtctggatc ctctgggaga 720
catttatgct gaaagggtggg aacttcttct ccaagcacgt gccctggagt tacctcgtct 780
ttctaactat ctatgggggtg gagctgttcc tgaagggtgc cggcctgggc cctgtggagt 840
acttgtcttc cggatggaac ttgtttgact tctccgtgac agtggttcgcc ttcctgggac 900
tgctggcgct ggccctcaac atggagccct tctatttcat cgtggctctg cgtccctctc 960
agctgctgag gttgttttaag ttgaaggagc gctaccgcaa cgtgctggac accatgttcg 1020
agctgctgcc ccggatggcc agcctgggccc tcaccctgct catcttttac tactccttcg 1080
ccatcgtggg catggagtct ttctgcggga tcgtcttccc caactgctgc aacacgagta 1140
cagtggcaga tgcctaccgc tggcgcaacc acaccgtggg caacaggacc gtggtggagg 1200
aaggctacta ttatctcaat aattttgaca acatcctcaa cagctttgtg accctgtttg 1260
agctcacagt tgtcaacaac tgggtacatca tcatggaagg cgtcacctct cagacctccc 1320
actggagccg cctctacttc atgacctttt acattgtgac catggtgggtg atgacgatca 1380
ttgtgcgctt tatectcgag gccttcgtct tccgaatgaa ctacagccgc aagaaccagg 1440
actcggaagt tgatgggtggc atcacccctt agaaggaaat ctccaaagaa gagctgggtg 1500
ccgtcctgga gctctaccgg gaggcacggg gggcctcctc ggatgtcacc aggtgctgg 1560
agaccctctc ccagatggag agataccagc aacattccat ggtgtttctg ggacggcgat 1620
caaggaccaa gagcgacctg agcctgaaga tgtaccagga ggagatccag gagtggtag 1680
aggagcatgc cagggagcaa gagcagcagc gacaactcag cagcagtga gccccgccg 1740
cccagcagcc cccaggcagc cgccagcgct cccagaccgt tacctagccc agcgcccgaa 1800
agccgtctct tctatgcaat aacacaatag tattactcta aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaagggggg gg                                     1882

```

&lt;210&gt; 1864

&lt;211&gt; 1926

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1864

```

gcttggcaga ggcaaccaag aaagaaatta cattctttca aacacatcca tatttcagag 60
ttctcctgga ggaggggtca gccacggttc cccgactggc agaaagactt accactgaac 120
tcatcatgca tatccaaaaa tcgctcccgt tgtagaagg acaaataagg gagagccacc 180
agaaggcgac cgaggagctg cggcgttgcg gggctgacat cccagccag gaggccgaca 240
agatgttctt tctaattgag aaaatcaaga tgtttaatca ggacatcgaa aagttagtag 300
aaggagaaga agttgtaagg gagaatgaga cccgtttata caacaaaatc agagaggatt 360
ttaaaaactg ggtaggcata cttgcaacta atacccaaaa agttaaaaat attatccacg 420
aagaagttga aaaatatgaa aagcagtatc gaggcaagga gcttctggga tttgtcaact 480
acaagacatt tgagatcatc gtgcatcagt acatycagca gctggtggag cccgccctta 540
gcatgctcca gaaagccatg gaaattatcc agcaagcttt cattaacgtg gccaaaaaac 600
atthttggcg atthtttcaac cttaacaaaa ctgttcagag caggtatgaa gacataaaaag 660
tgaaacacac agcaaaggca gaaaacatga tccaacttca gttcagaatg gagcagatgg 720
ttttttgtca agatcagatt tacagtgttg ttctgaagaa agtccgagaa gagattttta 780
accctctggg gacgccttca cagaatatga agttgaactc tcattttccc agtaatgagt 840
cttcggtttc ctcttttact gaaataggca tccacctgaa tgcctacttc ttggaaacca 900
gcaaacgtct cgccaaccag atcccattta taattcagta ttttatgctc cgagagaatg 960

```

## 1162

```

gtgactcctt gcagaaagcc atgatgcaga tactacagga aaaaaatcgc tattcctggc 1020
tgcttcaaga gcagagtgag accgctacca agagaagaat ccttaaggag agaatttacc 1080
ggctcactca ggcgcgacac gcactctgtc aattctccag caaagagatc cactgaaggg 1140
cggcgatgcc tgtgggtgtt ttcttgtgcy tactcattca ttctaagggg agtcggtgca 1200
ggatgccgct tctgctttgg ggccaaactc ttctgtcact atcagtgtcc atctctactg 1260
tactccctca gcatcagagc atgcatcagg ggtccacaca ggctcagctc tctccaccac 1320
ccagctcttc cctgaccttc acgaagggat ggctctccag tccttgggtc ccgtagcaca 1380
cagttacagt gtccaaagat actgctatca ttcttcgcta atttgtattt gtattccctt 1440
ccccctacaa gattatgaga cccagagggg ggaagggtctg ggtcaaattc ttcttttgta 1500
tgtccagtct cctgcacagc acctgcagca ttgtaactgc ttaataaatg acatctcact 1560
gaacgaatga gtgctgtgta agtgatggag atacctgagg ctattgctca agcccaggcc 1620
ttggacattt agtgactgtt agccggtccc ttccagatcc agtggccatg cccctgctt 1680
cccattggtc actgtcattg tgtttccag cctctccact ccccgccag aaaggagcct 1740
gagtgattct cttttcttct tgtttccctg attatgatga gcttccattg ttctgttaag 1800
tcttgaagag gaatttaata aagcaaaaga actttttaaa aaaaaagagt acttctagag 1860
cggccggggg cccatcgat tttccaaccg ggtgggggta ccagggttaag tggtaaccca 1920
aattcg 1926

```

&lt;210&gt; 1865

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1865

```

ctcgtgcaan nttgagcagt gttaggattt agaggagtct gcatagcaga taaagggaga 60
ggtgttagca aagagtatct gtgaggatga tactcttgga attgcaggtc ataagactgg 120
gaaagtaggt aaatgctccc tgaatggggc ttatacttta tcctataggc agtgggaagc 180
cttaggtaag aatacagtga tacgaaagtt ttgcattcac tttagtaatg gtgaaaaact 240
ggggaacagt ctattagggtg gcagtctttg ggctggaata tcccaactga tttctgggtt 300
tattttctaa aattgttgcc ttggaccctt cctattttta taaccagaca cagaaaatca 360
ataaaagtgt gagcccagtt tatagactat tgccagcagt agttcagggt ttaaaaaaat 420
gatgagggat taatctaggg gcatgaagga gaaaggatag attttttatt tatgtctata 480
tataaataga catttatatt tacaaagggt gacttagcag gccttagtga ttgcttagca 540
agattagggg acagaaca 558

```

&lt;210&gt; 1866

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 1163

<221> misc feature  
 <222> (53)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (294)  
 <223> n equals a,t,g, or c

<400> 1866  
 aattcggcac aggccttgatc ttcttctggg ggtagggag aaatctgtct ccttattgct 60  
 ggttctctta ccaaaatgct ttataaaga aatgaccggt gacatttatt caccaaagga 120  
 attaatatac tgagtcaaag attaacaatg ctatactata gagtaatagg tcatrtatag 180  
 cctcrattga gttttttatg acaatatatt aacatacctc tctctctaca tatgaaatac 240  
 catgaaagtg aractcaaaa tgacacagag ggaaagttag agggaaaatg gaantaattt 300  
 cggtacatct ttatgggttt taaaggagta ggaaaataag gtggaaata 349

<210> 1867  
 <211> 536  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (492)  
 <223> n equals a,t,g, or c

<400> 1867  
 gaattcggca gagggacatt tatttccttt ggagtcttat tcttttaagt acttctttaa 60  
 acataaccat caccatcacc agaatttttt aaacatgaga ataagacaga cagaactttt 120  
 ctttggtagt gttaacacaa aagggtgtctg atcttcatac aagcaatctt tgctcacata 180  
 catcaaaatg gaatgacaca aggaaagaac cattttgcaa aaggaaacaa gacaagctgc 240  
 cgtcagctag atacgttttcg attgttcagg aaagtctgta caggaaacttt gattggcatc 300  
 ctgcttgtct accttctttc ctacttttaa gtggtagctc tgatcattgt tgtcagtgtt 360  
 ttctgacccc tcagatctgg tctttgccta tcatgtctga tgtaggcact tggaccaatt 420  
 cacctgcaaa tcaaggtaat cgaaccaagt gcctacatca gacatgatag gcaaagacgt 480  
 cgagcggccc gnaaattttag tagtagtagt agtcggaccc cggggaaatt ccggga 536

<210> 1868  
 <211> 853  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (816)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (839)

1164

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1868

```

cgccaggcca ggcacctagg ccagggggagc ggagacctcg tgggagcggg caggggggacc 60
tttcccctct cccgggcttc caccaggcg cctccccgct gtgaaacgcc gccgcccagg 120
aaaaactgca tagaaaatct aatggatgaa gatgagaaag acagagccaa gagagcttct 180
cgaaacaagt ctgagaaaga agcgtcggga ccagttcaat gttctcatca aagagctcag 240
ttccatgctc cctggcaaca cgcggaaaaat ggacaaaacc accgtgttgg aaaagggtcat 300
cggatttttg cagaaacaca atgaagtctc agcgcaaacg gaaatctgtg acattcagca 360
agactggrag ccttcattcc tcagtaatga agaattcacc cagctgatgt tggagagcca 420
tttcagagac tgtgaagaat ccagggtgcc tgtcttagtg gccaggatgt tccctttcta 480
aaatgaggac agagcccagg agataaccca tcatgtccct agggaaactgc taatgccctc 540
cagatgtgac tcccgctcttc ttccctcttc tctctaagag gcacaaaacc agactccagg 600
aggactcaca tagctktgaa gtttgaaaaa acaaaattga cctggctgaa aaaacaaaat 660
tgacctgggc tgcagacmag ccaagctggt aaaagtatca rctgggcaaa gacttgkgyy 720
taccagcatt gggagcagtt gcmcttcaaa aggagccaaa tgcctgkgyg ctgcggaawa 780
ggacttgggg attttgaatt watycaaaaag cattnntttc tttttaggcc cagaggttnt 840
tcccagggac aca 853

```

&lt;210&gt; 1869

&lt;211&gt; 1246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1869

```

agtttcacgc ctgcaaacac aagcattctg ttgatcaacg gaaatatttt gatgtgccat 60
ttcttgtcta aacaagtttc atatacagca ccgagggggc cagagaggc agaggcccag 120
acagaagggtg aacatagcct tgcagggaga catatgccag gcaggatgac cattgggatt 180
gcatcaagta ttaatcagtt acttaagggtc ttctgtcag acagttgaag ttcacattcc 240
ttttactttt cttaattagt ccactaggat ggtagcctg ttttcaactt aacacatgca 300
tacttgtaaa tatttttagta tgctacagta atttgtcata tctttaatat ttattgtttg 360
taaagcagta aacatttctg tatttttagaa gtcatggagt aaaatcaa atttatgata 420
aataattgga agtatgtttt agtttgaaga ttgtcctttt tctatcttg ctgcaaggaa 480
aaatggactt ctgattaggt ttacaattg tgaactttta tgtaaagtgt aagtgtttc 540
gaggagacca aactattatt aatatataaa atggccttgc ccttaaggag caaattaaat 600
ctcatggaga ttagactcaa aaggcaataa ataatcgagg gtttatgcaa tgaaatagaa 660
tttcagaaga gtttggatct caaagattgt ccttcactct cagaaacagg caagtttctt 720
aaaagccctt atagtcgtgt ttttatttta aaaatcgtag cactttattt ttgaagtta 780
aaaagcccat aaacttaatg agtctttata atcagacaca tggaaatata gaaaaccaa 840
gactgatctt agaatataga gtagagagac atgtttgtta ttctcacta gtgactttag 900
tattttgtta tgtgatgttt ttaggtgca ccttttctca tgactcctt tactttatct 960
aatgtcttcc tctttaaagt gtgaccaga gaccagtagc atcagcatca cctgagacct 1020
gtgaacactg aagctccagc tcagacatgt tggggaccat ttaataaga tacctagctg 1080
attttttgca cagcaaactt tgaaaacccc tggctaaagg ggtagtattt gtatcactta 1140
tggaatataa tctcaggga attaaatctg ctcaattgac atttgtggtg tttcattttt 1200
taaattctct tgagtaactt ctgtagccct ttccagtgtg tcaggt 1246

```

&lt;210&gt; 1870

&lt;211&gt; 133

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1165

&lt;400&gt; 1870

```

ctactctgtg tgtgggttct tggcaagctg ccatgtcttt ggggatcata gaaattattg 60
atgacacaga acactcatat gcccttagcc tgtacagctg attcaacatg ggaacagaaa 120
cactgtctag ggg                                     133

```

&lt;210&gt; 1871

&lt;211&gt; 422

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (416)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1871

```

gcaggacagg aaaggtgaca gagnaagact ctatctcaaa aaaaawkaga ctatcttggt 60
cttaatcctc ttcaattctt cttttttatt cttttctccc tggtctcttt gtagtttaat 120
agttattttaa aatcagggtg agcattttta tgtttcagta taacacccaaa atgatctcag 180
ctaagttgct tttgttgctt cttttcatat gaagtttttt ccctatcctg tgaatcagcc 240
tttaatccaa aaatgacata aagagaagag caaggactga gccttaagta tgcctagaat 300
gttgaggagg ctgaggacag tgaagaagag atgaaataac cacaaccagt agcttgggaa 360
ccaggataat gtcataagac tcaaatggag ggaattaata tcaagggaag attaanaaaa 420
aa                                     422

```

&lt;210&gt; 1872

&lt;211&gt; 629

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (626)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1872

```

gatttttttt ttaagaggac ttttaagatc atgatatcta attttaattg tatttacaga 60
ggcttcaaag agtctttgat ttcttgcaact ttgttaaggc tttcttattc cttctcacat 120
cctagaaccg ggttaccctt ccgtgaggca gatccccctg aggtggccat cactgtgggtg 180
gccagcagtg cttccagact cctgcagtcg cgggttcctt tctgaaatgg atgtgtattt 240

```

## 1166

```

ccaaattcgg atggaagagg ctggattaaa gatagaagag aatgtcctaa gtagaagaga 300
aatatgttct taaattttaa atctctgaat tttctcctta cactggggaa ggtgtaggaa 360
tcatgtaatt gccgcctact ccggcatttg cagtagtggg gagaagtctc tagaaccata 420
ttagacttaa tagataggac actcatgttt ttgtttgggt gggggtagca ttttaaaaga 480
ttattatcat agtctttatt attaattatt ttggaggaca ggaaagcatt taccttctat 540
ctactttgca aactccatct gtgccataaa tcattatgga tgttgggktg ctatactctg 600
stttttaaat aatttgggca ngaccngga                                629

```

&lt;210&gt; 1873

&lt;211&gt; 1407

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1873

```

ctcaccctgt atgacatgtg caaggctgtc agcagggaca tcgtgttgga ggagatcaag 60
ctcattagca agactggtgg tcagcggggg gacttccatc gggcttagca cctgcccttc 120
tcacccatgg cccaccaggg cctggagctg ggatgcaatg taggctgagg gaaagacgtc 180
aggttccttt aatcacagtc actgtttgtt taccttgagc agtaaaccgg aagtcagcct 240
gctctactac taacaaacag gcctgctgct agatgatctc taatgaccaa tggggcttcc 300
tttctatagg gaggatacca gcaggccctt aagccttcca ggacactaag gtcgtgggag 360
cgggactgca acaagcaatg ccagataact gagaaatcat gttctttgtg gactatttca 420
gacaaccagg ttccgacagt ccagcccaga acttttcctt ctcattttgg gttttctctt 480
ctcctgcttt cctggggaga gattaagcgc tcattaagca gaggagccca ctttgaggag 540
agcaaagcac aagcttgctt gaagaatgga tcccaacttc tcccggcag ctctgcctcc 600
ctaagtctgt gaagccgcag ccctgccctg tcctgtcctg tcctgacttc atctctcctt 660
ctgcccaggt ctgtgtccca tcagacttgc agcctttcag cttaacagtt gcccggtcct 720
gctggccctt ttctctctgg cccctctctt ctgaaacagg atgtgcacac atggccatag 780
ccctaaggac tcctgccaga ccacacagcc cacacctggc cctgttcacg gctgttccac 840
ccaccctctt ttattctgga gcataatcagg gaaagaaaag ttgatgatag attgccttca 900
ccctcacagc gcacaaataa agctacgatg ccaactttgc agatgcaaga atgaagacac 960
tgtgtgggta gggcactgag ctgctgcagt ttcacaggga aggctgcacc tatcaatcaa 1020
tcaatcaatc ctatcccaag acacagttcc ctgagggaag aagaggaggg acctggaaag 1080
gcctaagggt gtactctctg tatagccccg ctatgggaaa ataaagtgga gtagggggca 1140
tagaaatgcw ccatactaagg gaaatctttt gtcagggtgg ggccaggggt gttcaaagct 1200
cattgcttgc attaccagct attagagaga tcagagaggg caattaatta gaggctcctg 1260
gttctcacat cccaaacaca cacagtcttg gcctgctggg ctctctaact tggatgtctt 1320
tgagtcttca gtgggtgccc ctgcctgcct cccctctgcc ctatgccaaag gtgtgctggc 1380
aaatattaaa caaccagctc tctggaa                                1407

```

&lt;210&gt; 1874

&lt;211&gt; 707

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (658)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



1167

&lt;222&gt; (676)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (684)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (706)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1874

```

ccgtctcaaa aaataaataa ataaataaaa aataaaacaa ataaataaaa gctaaagcat 60
tctaggaatt acatgtctgg gagctacttt gctgaatctc ttggaagttg ttaaggaaaag 120
gcatctgaga tataccagat cagaccttca tcttctgagc ttcccacttg taaactgaaa 180
ttttaaatta cctggaatag gcctcccttc tcttaactcc caatttgaag gctgcgattt 240
taaattagat gagaattttac ttaactctat ttgatacata tccttatgaa tgaacatttg 300
ttgactgtct actgaatgtg acaggtattg ttctaagcac tttatttgta atgacttact 360
tttacaaaac acccctatga gtaatgttct attgtcccct tatttacagt tgaggaaaact 420
gggtacagag rgattaagta actagtctga tgtcacaggt agtattcagc tgagccygca 480
ctcataaata tgatactgtc ctgcttctcc cttgctaata taggcaataa agagctttct 540
gaagggggaag aaatattatt attaaactga tttaatgaat tactataatt gcagtttcaa 600
taattagttt tgtaaaaatgc aactgggtat agcagttttt tgaagttttc taattttntc 660
cttctgtcac tttggntctg gtangtttgc cttttcacca ttgctna 707

```

&lt;210&gt; 1875

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (261)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1875

```

gcaaaaaataa aggggctaca gaaacactca tttttatgct gttccctctt gggcttcatg 60
caaagacaat tctgtgtaaa tgtacagttg actctgattt ggaaatatga aaatcagtc 120
atccttggtta taaaaaattt ttttacaatt gtaattatat tgatgttcat attgtgtaaa 180
ataactcatt taataaaata gtactttgat ttacgacawm aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa naaaa 265

```

&lt;210&gt; 1876

&lt;211&gt; 513

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1876

```

gcgggtccct tctacttctt ttcttttctt tctgggtgacc ctggcagtggt aaaactgcc 60

```

## 1168

```

cctcttttagg tttctgtaga gccaaaaata atctccta atgtcttctga tgtttgatag 120
gtattccctc ggaagttagg aattcccttt ctctccatat tgttgcatgg gcatggagag 180
ttaggtaagc atacttagag tctttatata tatttaccct ttttccttct cctaattcta 240
gtgtataacg gcccttgctt ttcctaggat gtctctccct aacaaaggag tggggctttc 300
aggcataatt agaaagacat gtgaaaagag taaagttcgc cagtcacaam ttagtggtcg 360
ggagaagtat wtagtgactr cctgtcctag gaccctcag atagtgcag atctggagga 420
cagttgtcca ggacaggaga gtaagaytga gacagctgcg ccagtgtcca ggagacagtt 480
aacctcctgg ccctcaatga tcaagcatac ccg 513

```

<210> 1877

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 1877

```

ctttggagga gagactccta ggatggccca caacctgctg ctgcctgtag cagagctaga 60
aggggaaggag tctgccagct cttccacagc atccccacca tcctcctcca ctgccatctt 120
tcagccctct gaaaccgtgc tccttggaac gcaaagggcc gaggagcatc tggttttcat 180
ggcaaagctc tactccagag ctctttaa ac atctgcta at taagtgc aat aaat ttttct 240
agaaaatggc aaagatgact tccaggtgga tattgctctc ttacggtgtt ggggatgcc 300
gaacaccact tggttttatt tttctaagt catgtgatgt gatagagtgt gtggggctct 360
gtgtccttcc ctgggagctg gcattccagc gggccctct ctttacctt gtgggggaa 420
ggaggcaaga gagaaattcc ttcttccag ccagagaggg cagaagcaga ccgtagccca 480
ttggccttat gtgcgtgtgt gcgtgcgagt gtgtcactgc tgggtgggccg gaggatgtg 540
gtgggaggga agccgggaat gtatcctttt cagacaaaat taaatatttt gaaatgagaa 600
aaaaaaaaa aaaaaactcg ngggggggcc cggtaaccca attcgcccta 650

```

<210> 1878

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

1169

&lt;400&gt; 1878

```

ctcagngccc gccccatact tgctgagccn gaggaaacca ggatgctgca ggagccagag 60
tctgcaactat caagagctgc aggagggcct ctctgagttg gaagagggtc ctggtttggg 120
gaatgggtccc acggtggcca gcacaggagc aaatganagg gtgggacagc gggaacagac 180
acgtgctgct ctccttccac cctgagagaa tgctctccag acattcctgc atcccacccc 240
accaaactca gaagcttgct gggatccttc gagtccaata ggaagtcagg gagkgccttc 300
agttttcact caaagcaggc ctttttttcg ttccttccct gttaggggaa gatacacctg 360
gacgagaata tatectcacc tcaccaccct gaaaagctgc tttctccctt scatccatat 420
cctctcttcc tgtcacctcc ccatacagct tcacatttgc ctcacgcac tttcttttcc 480
tgtccacctt tcataatccc atccactcca aatcccggac cctgcacacg ccaactccct 540
gaatccaatt caggagtgc ccagttcccc ttctgatcca tctcctttct actgtagcgg 600
agactacaag tcccaggatg ccccgctagc ccgtgaccgg ctaggaaata aagagccttc 660
tctccgcggt aaaaaaaaaa aaaaaaaaaa aaaactcgag ggggggcccg gtaccaatt 720
c

```

&lt;210&gt; 1879

&lt;211&gt; 564

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (524)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1879

```

ctcgccctgca ctgctctccc tncgctgtgg ggaagcgaca acgtcccgat aacttgcaga 60
ctgtggcgca actggtcttg gtagcggagg cayycgaatg ctgcccgggt gagaaacctg 120
gcaaagaaaa cggctctcgac aatgagtagg ccacccatca ctactaacta cagatgactt 180
gccatttcat ttacaaagat gtcttctgct gctgaaaatg gagaggcagc acctggaaaa 240

```

## 1170

```

caaaatgaag aaaaaaccta taaaaagact gcatcatctg ctattaaagg tgctattcag 300
ctgggwatag gatacacagt gggtaatctc acttccaagc cagaaccgag atgttcttat 360
gcaagacttt tatgtggtgg aaagtgtgtt cctaccacgc gaagggaagc aatcctgacc 420
ccagcacatc actaccaag acttttagatt taaggacata cgctccatta gcantccggt 480
atttcagaga actttttggg tatcaagcct gatggattac ttgnattcca tcctgnagtg 540
aaacctctna tagaactggg ctaa 564

```

&lt;210&gt; 1880

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1880

```

tttttttttt tttttttttt tttttttttt tttttttttt ttttctaagg cccaaaaaatc 60
tatraaacct tgattatttg ttagttttgc aattcaaac agctaattgc kgggtatttc 120
tcaaagtaag tattttaaac agcctgtaag atactgtata tgcgctgctg tagataccgg 180
aatgaatttt ctgtacatgt ttggttaatt tttttgtac atgatttttg tatgtttcct 240
tttcaataaa atcagattgg aacagtgaag aaaaaaa 277

```

&lt;210&gt; 1881

&lt;211&gt; 2522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2517)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1881

```

gccggcccag cgcccgccac cggccmccgg tgccctccaga ggacctgggtc agacaagatg 60
tgaaatggag aagtatctga cacctcagct tcctccagtt cctataattc cagagcataa 120
aaagtataga cgagacagtg cctcagtcgt agaccagttc ttactgaca ctgaagggtt 180
accttacagt atcaacatga acgtcttctt ccctgacatc actcaoctga gaactggcct 240
ctacaaatcc cagagaccgt gcgtaacaca catcaagaca gaacctgttg ccatttttcag 300
ccaccagagt gaaacgactg cccctcctcc ggccccgacc caggccctcc ctgagttcac 360
cagtatatcc agctcacacc agaccgcagc tccagaggtg aacaatatat tcatcaaaca 420
agaacttctt acaccgatc ttcattcttc tgtccctacc cagcagggcc acctgtacca 480
gctactgaat acaccggatc tagatatgcc cagttctaca aatcagacag cagcaatgga 540
cactcttaat gtttctatgt cagctgccat ggcaggcctt aacacacaca cctctgctgt 600
tccgcagact gcagtgaac aattccaggg catgccccct tgcacatata caatgccaaag 660

```

1171

```
tcagtttctt ccacaacagg ccacttactt tcccccgtea ccaccaagct cagagcctgg 720
aagtccagat agacaagcag agatgctcca gaatttaacc ccacctccat cctatgctgc 780
tacaattgct tctaaactgg caattcacaa tccaaattta cccaccacce tgccagttaa 840
ctcacaaaac atccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 900
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 960
aaaagctcac ctgaggactc aactgggtga aaagccatac aagtgtacct ggggaaggctg 1020
cgactggagg ttcgcgcgat cggatgagct gacccgccac taccggaagc acacaggcgc 1080
caagcccttc cagtgcgggg tgtgcaaccg cagcttctcg cgctctgacc acctggccct 1140
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ctccctcaaa tgacagacct aactattcct gtgtaaaaac aacaaaaaca aaaaaaaca 1260
agaaaaccac aactaaaact ggaaatgtat attttgtata tttgagaaaa cagggaatac 1320
attgtattaa taccaaagtg tttggtcatt ttaagaatct ggaatgcttg ctgtaatgta 1380
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acagtgttca gtaaacaat cagttggcag gcaccagaag aagaatggat tgtatgtcaa 1560
gattttactt ggcattgagt agtttttttc aatagtaggt aattccttag agatacagta 1620
tacctggcaa ttcacaaata gccattgaac aaatgtgtgg gtttttaaaa attatataca 1680
tataatgagt gcctatatatt gctattcaaa attttgtaaa tatgcaaate agctttatag 1740
gtttattaca agtttttttag gattcttttg ggaagagtc ataattcttt tgaaaaatac 1800
catgaatata cttacagtta ggatttgtgg taaggtagct ctcaacatta ccaaaatcat 1860
ttcttttagag ggaaggaata atcattcaaa tgaactttta aaaagcaaat ttcattgact 1920
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cttaaagata gttacaaaat acaaaagttc aacctcttac aataagctaa acgcaatgtc 2040
attttttaaaa agaaggactt aggggtgctg tttcacatat gacaatgttg cttttatgat 2100
gcagtttcaa gtacaaaaac gttgaattga tgatgcagtt ttcatatatc gagatgttcg 2160
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gtgtctgcct ttaaatataa atgakatgtt gaaaacttaa ggaagcaaat gctacatata 2340
tgcaatataa aatagtaatg tgatgctgat gctgttaacc rragggcaga ataaataagc 2400
aaaatgccaa aaggggtctn aattgaartg aaaatgtaat tttgttttta aaatattgtt 2460
tatcttttat ttaggggggg tgggtaatta ttagttaagt tttttttaan aaaaaanaaa 2520
tt 2522
```

&lt;210&gt; 1882

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

1172

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1882

```

nnatcaaccc tcaactaaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tgggcacgag cccacctcca tcctatgctg 120
ctacaattgy ttctaaactg gcaattcaca atccaawttt acccaccacc tgccagttaa 180
ctcmcaaaaac wtccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaaacg 240
acgcattcac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 300
aaaagctcac ctgaggactc acactgggtg agttatcagt accagactat tttgcttcaa 360
tctgcaaaaag gaaggtgtgt gaaggtgaaa agccatacaa gtgtacctgg gaaggctgcg 420
actggagggtt cgcgcgatcg gatgagctga cccgc 455

```

&lt;210&gt; 1883

&lt;211&gt; 858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (856)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1883

```

ggttctgccc ccactgctta taatgctggg gatctacatt aagatcttcc tgggtggcctg 60
caggcagctt cagcgactg agctgatgga ccactcgagg accaccctcc agcgggagat 120
ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct ggttacctgt 180
gcatgctgtt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
ggcaatgaat atggccattc ttctgtcaca tgccaattca gttgtcaatc ccattgtcta 300
tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaaagca gatgtcaaga gtgggaatgg tcaggctggg gtacagcctg ctctcggtgt 420
gggcctatga tctaggtctt cgctcttcc aggagaagat acaaatccac aagaaacaaa 480
gaggacacgg ctggttttca ttgtgaaaga tagctacacc tcacaaggaa atggactgcc 540
tctcttgagc acttccctgg agctaccacg tatctagcta atatgtatgt gtcagtagta 600
ggctccaagg attgacaaat atatttatga tctattcagc tgcttttact gtgtggatta 660
tgccaacagc ttgaatggat tctaacagac tcttttgttt ttaaaagtct gccttgttta 720
tggtggaaaa ttactgaaac tattttactg tgaaacagtg tgaactatta taatgcaaat 780
actttttaac ttagaggcaa tggaaaaata aaagttgact gtactaaaaa tgtaaaaaaa 840
aaaaaaaaaa aaatttnt 858

```

&lt;210&gt; 1884

&lt;211&gt; 1419

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1884

```

gtttccagta gcttggaaaag tagagatgac taatgtttta gccttttctt ggagaaaagg 60
aagaactctt cttgaatatt ttcacagatg attgtgattg ctttaaatga cctctgtggc 120
aatttaaatt agatggattt aatctcagta atgtgctggg cgcataaatg tcatgtttta 180
atagggaaaag ttacttgtaa atcttttagac ctttgttgtc acttaggctg gggagtcact 240
accctatttg gcatcttact agttgggggg accttttccg tgtacagtga tgggactttt 300
gtgaccttta ctctcactat gcaatagagg gtttcatgta gttaatctga catgtcaaaa 360

```

1173

```

ttgggaagac tgtaaccttt tttttttttt tttaagattt ctcttttttg tgtccctcaa 420
tacttagcag atgttcattt ggtggaaatt cttattactt acatgaatga gtttgaattt 480
agtggcaagg aagaaaaaaaa aaactcaaat tattgtttta aaagaagaaa acttgcaaag 540
tacataagta ttttttaaaa atcaatcgaa cagaaaggaa tgcattgctgt ttttcaatgg 600
cttagacatg cttttttattc actgactagt attcactttt ttacaacttg tatcaaaaca 660
aatgatcttt gttttttgtca caggcaaaaa caggttgaca ctggtgggtt ggctttatta 720
attaattttt tttctattag gttttcttta ataattgtta atttctaaat tatagcatat 780
gttttagtta attctgaaat cagttacttc atttgttaat ttatccctca tatcatgaat 840
attgtttttt aaatgttcta tacaaatttg catcacttct tttcttacag cttttgcagt 900
taatatatcc taaacttgaa aatgtggtat caatcaataa tagaagtatc actggaggat 960
ttatttagct ttgtatttct taattttagt cctagctact aaagtatgta agccttaaag 1020
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gcagatatag ggtatgctaa tcaagtgagc aagggtggaac atgtacaata taaggagaag 1200
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atgtaactct cattctaaaa gtggccacaa aagctgaatt ggaagcttca tgtctgcatt 1320
aaatttccta tatttttaaa gtgtatgatg aaattaattt ttcttgaata ttaaagtctg 1380
ccaattgcta tgaaaaaaaa aaaaaaaaaa aaaactcga 1419

```

&lt;210&gt; 1885

&lt;211&gt; 2013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1885

```

attcggcacg acggggcaaaa gtctctacca cacctactca actctgtcac gctagcacaa 60
aacagccaca cacaaatata ttaaaaaatg ggtataactg tgttccaata aaactctatt 120
agcaacaggc agtgggcccag atstggcact gactgcagtt tactaactat cccctgatca 180
agaatgtcca acaatagctg aaagttactt gagaaagtca gcactgtagg aggaagaaac 240
taacaccaaa acacaagccg gtagttcttg ggaaatgctg gcagaccaag ggcgggacct 300
cttgcccaga ataattcttc tctcctacta aggaacctat aggttcaactg aagtaatacca 360
ttactttgaa tcaactcttc ctttgcccca cttttaaaca caaatcccca tccctaatag 420
ttactggtga acagatggac tcatcccttt cttatccgag aagccccatc acatgctatg 480
tcctatcaca tgctatacca gaagctaggg ctgcagaggt ggatgacgcc cccagatccc 540
tgccccctag gggcttaaga gtctagcagg ggcacctgac ccaagtaagt acaatgcagg 600
gtaaggctgg ctaaagagca cgtgaaaagg agctgggaac acagctgggtc agcagagctt 660
cagggagggc tgaaggacag gctgcacacg aggcactcag aaaacagcag tgaacacaga 720
ggcaggcagc aacggcagtg gtactggacc tggggaacac caagttcaag ctctatatac 780
aacgaggaca aaaatgaacc aggtcccttg aaagcaggga atctaacctg tgctacggcg 840
ccttcccagt ccacgagggc gtgagagtac atacacatgc aagtgcactc cagcgctcac 900
ccaagcaaca cccttgagga aacacggact ccaggcccaa atccagcctg agaccctcaa 960
agggcagatc cgctaacctc aagttttcag aagatctgaa cccactgggg gctcctgctc 1020
ctctgcctgc cccatgccag actaggattc cagtgcata agcgccctct acagactcag 1080
aaggacagag aaggttctgc tggaagtggg ctctcagca aaccagcaga taggggttcc 1140
tttgatatct ataccccagg ttttttcaact ctacagtgac atctatgtgg ggccaatgaa 1200
gccaattctt cttttgtaca tatgcagtc tgtaagaatg cattcaaacg ggatccgcta 1260
attaggaatt ttctcctgga attctcaaca gtctatgggg ccagaagctt tccacaaacc 1320
agtgaagggt gcagcaaaga aagcctctta gacgaggagc tggcagcagc tgctatctag 1380
atagacagca aaaaccaacc actaatcag caaacacaaac ctcatacct accgcttccc 1440
tttaaatggc cttcggtgtg tgcgcacatg ggcacgtgcg gggagaacca tacttattcc 1500
cctgttcccg gcctaccacc tctgctcccc cttctcttct ctaccattta actgtctcct 1560

```

1174

```

ctgctttgtt tcttatact gctgctggtg tctagagcca gccagcagta cctggcagac 1620
atcgcgaccc tgcgggcagc gcttaggact gcacatttac atttcccaa tgatctgggt 1680
agatggggac aggtgaagac ttggggaaac ggaaatatac gaatgacatg agacatgcat 1740
atctagtgtc aatccattcg actgggcaca ggacagcaga ctgctgacag tgctatgtaa 1800
gattatgagt gatcctccct ctattttgca aacagtctgt aagtaactga taaaacttta 1860
aaatatgcaa attttaaaat tatatagttt gatttactca tcaaattatc atgtatgctg 1920
ttatttaagt atgaataaag gcttttttaa attgggaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaa aaaaaaaaaa aaaggggggg ggg 2013

```

&lt;210&gt; 1886

&lt;211&gt; 1893

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1886

```

gccacgcgt ccgcggacgc gtgggtcgac ccacgcgtcc gaaaaaacat gggttctcct 60
ctctctcctg tcttcttact ctctatccca tttgatgtag tgatttttaa atgcttttgt 120
aagttaattc ttaacacaaa agagacattg taatgaggca caccactaaa gtgagcatgc 180
ccaattaaaa ccagtgtaat ataggataag aaaatctgat tttcaaaaa agatactcta 240
cataaagaat cttcatata aaaagttctt tcttgtagta catttaaagt ttttaattcac 300
tcatgtataa ctgagagttc ctttgagccc tttttaggca gggaggcatg tctgtcatct 360
agcgtgtggc ccagtaagtg attattacat tggaaatcagt ttttcagtct tttaaaataa 420
attctatgcc ataagaataa aagataaaga gcaaaattaa tgtaaactat ttttagctta 480
ttataactat gtcaacaagt gtttattaat acctattatg ggaaagtcac tgtggtggc 540
attgaaaatt acatcatctt taaagcagta tttgtcccca gatggactca tcatagcaa 600
agatagggtt catgggaagg catagggtga gagaatggga agatgragtg gaggggggtt 660
gttaaagtgc tgtcagtgag tgattttgtc tacttgaata atgggtccatg tttgggggca 720
tattgtgttt cataagaagt gaaaggtatt tgcaaaagta gctacaaatg acccataaat 780
ctgttaacaa cagtccttaa tatgcaaaga tgaaaaacaa gcattactgc tacccaaagg 840
gaactgggtc ttggtgatgt gcagatgggg ctggttggtta agagagctat tacaggtttt 900
ctctcttagg tttcatagga ggtagtact gagatgagat tgttttatct ttttgaatac 960
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tgtttggttg tttgttttgg ctcttagta atactcctct gacatttatt tctattattc 1080
ttcaaagaaa ggaaaccaac tgaaatgttt gctttaacaa acattttaat aagttctctg 1140
ggtttttttt tcccctttta aaaaaattag catataccat agcaataaaa gaactaatgt 1200
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attattgaaa aggatcatag tcacattgaa tttgtgaagg ccaaagaaat tgaagggagt 1320
gatattttca ttttatgata ttcacatatt tagtaaattt tgtgtacaag aataccaggc 1380
agagtgtttt acccatggaa acagggtttc gattactttg tttttactgt tagagtctca 1440
agtttagaaa tgctaacact taaatcagtt tttttctcac tatacttgaa gattgttaat 1500
attttgatat ctctctagct tgatgaattt aaacatatct tcagatctgt gacagtgaca 1560
gccaatagga ctgataatat tagcttcaaa ccaataatat ccagggttaa aataaaaaatc 1620
atagtgaag tacgattgta aaattatgct atattaactt ttaagtctgt aataacttga 1680
catcaaaatg ttatgtaatt accataaata atggctagcg agaacatctt tggaaattct 1740
caaattacct ttcttactac actgtttgca gaatgaatgt agaaatgac ctgttagctt 1800
tctgaatgtt ctgtggttga atgtgttttt gcttaaataa agcttttggt atttgtttta 1860
attamaaaaa aaaaaaaaaa aaaaaaaact cga 1893

```

&lt;210&gt; 1887

&lt;211&gt; 433

&lt;212&gt; DNA



1175

&lt;213&gt; Homo sapiens

&lt;400&gt; 1887

```

aattcggcac gagggcgag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggcgcgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccttggtg tggacaggga 120
agtgccagtg gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatggt 180
agagtctcca acctgttccc agatgtccaa cctggctctgc ggactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttggcccg gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtgggtg gcatggagag gatatgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaa aaa                                     433

```

&lt;210&gt; 1888

&lt;211&gt; 413

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1888

```

gaggggaagtc aagaagggag gttgaggact gcacttttga tttacttctg acttcacgag 60
tcacttttctg ccaaagaaat ctctcctttt gcttctagca cgcactagat ttccttcagc 120
tgatgattga ctcccagaat tcgaaagaaa ctgagtccca caaagctctg tctgatctgg 180
agctcgcagc ccagtcaata atcttcattt ttgctggcta tgaaaccacc agcagtgttc 240
tttccttcac tttatatgaa ctggccactc accctgatgt ccagcagaaa ctgcaaaagg 300
gagattgatg cagttttgcc caataaggca ccacctacct atgrtgccgt ggtacagatg 360
gattaccttg acakggtggt gaatgaaacc tcaaattatn cccgttggtg tta 413

```

&lt;210&gt; 1889

&lt;211&gt; 783

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (776)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1889

```

gagaaaaagg tagaagaata aaagatccag tactttcttc tgggtaagca gttatgacca 60
gagatggaac cggcaactct ttggccagaa agctgtatcc aaaagacaga gaagatgaat 120
gtttttgttc actggtgact caggtaacac gtcttcaaga agccataggg aggttgaggg 180
agggaagtca agaagggagg ttgaggactg cacttttgat ttacttctga cttcacgagt 240
cactttctgc caaagaaatc tctccttttg cttctagcac cgactagatt tccttcagct 300
gatgattgac tcccagaatt cgaaagaaac tgagtccac aaagctctgt ctgatctgga 360
gctcgcagcc cagtcaataa tcttcatttt tgctggctat gaaaccacca gcagtgttct 420
ttccttcact ttatatgaac tggccactca cctgatgtc cagcagaaac tgcaaaagg 480
gattgatgca gttttgcccc ataaggtagg gggatgacct ctggagatga agggaagagg 540

```

## 1176

```

tgaagcctta gcaaaaatgc ctctcacca ctccccagga gaatttttat aaaaagcata 600
atcactgatt ctttactga cataatgtag gaagcctctg aggagaaaaa caaagggaga 660
aacatagaga acggttgcta ctggcagaag cataagatct ttgtacaata ttgctggccc 720
tggttcacct gtttactgtt atcacataa tgctaagtaa aaaaaaaaaa aaaaanggcg 780
gcc                                                                 783

```

```

<210> 1890
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

```

```

<400> 1890
cgcnegagca ccctagcaca gcgccgggta agatgagcac ggaaggtggt ggccgtcgct 60
gccaggcaca agtktcccgc cgcattctct tcagcgcgag ccaccgattg tacagtaaat 120
ttctaagtga tgaagaaaac ttgaaactgt ttgggaaatg caacaatcca aatggccatg 180
ggcacaatta taaagttgtg gtgacagtac atggagagat tgaccctgct acgggaatgg 240
ttatgaatct ggctgatctc aaaaaatata tggaggaggc gattatgcag ccccttgatc 300
ataagaatct ggatatggat gtgccatact ttgcagatgt ggtgatnctc cctggtctat 360
aacaggangc cccttaccca gcagcaggca gatatggnc                                                                 399

```

```

<210> 1891
<211> 3035
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (2911)
<223> n equals a,t,g, or c

```

```

<220>

```

1177

&lt;221&gt; misc feature

&lt;222&gt; (2959)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1891

```
cccggagcag cgcggcagca gcatggctca cgggcccggc gcgctgatgc tcaagtgcgt 60
ggtggtcggc gacggggcgg tgggcaagac gtgcctactc atgagctatg ccaacgacgc 120
cttcccggag agtacgtgcc caccgtcttc gaccactacg caggaagact atgaccgtct 180
gaggccttta tcttacccaa tgaccgatgt cttccttata tgcttctcgg tggtaaatcc 240
agcctcattt caaaatgtga aagaggagtg ggtaccggaa ctttaaggaat acgcaccaa 300
tgtacccttt ttattaatag gaactcagat tgatctccga gatgacccca aaacttttagc 360
aagactgaat gatatgaaag aaaaacctat atgtgtggaa caaggacaga aactagcaaa 420
agagatagga gcatgctgct atgtggaatg ttcagcttta acccagaagg gattgaagac 480
tgtttttgat gaggctatca tagccatttt aactccaaag aaacacactg taaaaaaaag 540
aataggatca agatgtataa actgtttgtt aattacgtga gaaacatctt cagtggccaa 600
ggaaactgtc catttctctc agaaagcaaa tgaaatgcta cagctataacc cagacctttt 660
ataggtaatg aagcagttca aaacttgaaa gaaaacaaaa cctgtcctca gaattctata 720
aagtgtatta agaatgttcc ttaaagggtt aagaagcagt aagcagcatc tgaagccaca 780
atctattata aatactttat ttcaactaga aggtacaatc tctcaggggt ttcatagttt 840
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 900
cttggctttg accatacaca tttctgccc aaccttacag aatctgcaca aagaaatc 960
tccctttgct ccagttaatt gttcttgtat gtaagttgct ttctattcca gtatatccag 1020
agtggtgaaa taacaaggcc agccacgtag ccaaaggctg ctccaagcgt acaggagatg 1080
ggccatacct gaggagagaa tgtatgatag caaaaaagaa caaatgtttt attattactt 1140
gagcacaagt gtaacctaaa tatttctata ttaaagctta atgtgctttc ttaaagaatg 1200
ccaaaagtgt aataaggctc taactgcatt tatcatgaac actaaaaatg tacacatttt 1260
agttaatgtg cattaaactg taacaaggct tctggcaatt gtagatttag tttgacgtc 1320
cccaaagtgc atgagacaca tgctaaaatt acaaattaaa attttgggtc agactttg 1380
ataatgatag actcaattta gctctctgaa ctagtgtgta attttttttt ttttaattccc 1440
actttggctg tgtacatcaa atgaaatgag aagtgtgtat gctgaccaa ccacaagaaa 1500
ctttctttta gttgtgttaa agaggaaaga cctagaatcc aagcgtgtta catgaaaatt 1560
gtaacagagc agctgcttcc acctttcaga tatagatgtt ggaaccacag cagaagttat 1620
agagcgacaa cttatataca cacctagaat gtaagttaaa caaaataccg gcttcagag 1680
accccttttc tccagccata ttacatcagg ctagaagtaa ttaatgttga tttatttcat 1740
ctacaagcag ttggtcccta agtgaaaggc tctgcttgaa aaaaaaaaga aaaaaaagtt 1800
ggaggaaaat tttcatgttc ttctgtgaag cttatttggg acactggagc catttcta 1860
ctttctctgg ggggaacagg ccacagaact gtgttagagg tgaaccatct taattactag 1920
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ccatgcatca gataatggat gcatcagata atggtgttag acaaagcttc attgtgaaca 2040
acctaagca ttttagagaa acaatctcat cacatttttt ctagcctttc ctacatttaa 2100
acttgctgtt gcccaaatta taatttttta aatgtctttg gtgggcttct gtttaattcac 2160
atgacttgag cttatagcta tgtctactgc acagattggg taatggaaca ctaaactttt 2220
atacttgaaa atgacagcct taaatgctca tatcagtcac aaatctagga tgtactgtct 2280
tgtttgatgt gagcttttga gagattttta aaaatataag catcaccttc ccattgaaga 2340
gtggagagag tctactggat gactggccag gaactttctc tctgaatcgg acatttggat 2400
gtcttctttc ttccaagaaa tgggtggttca cattaaagta tcatggcctt atgtatgctc 2460
aaatggaatc ttatgtaact ttcttattta attttgggtc gcttattttt agataaaaatt 2520
gaaaggaatt gtataaatca attaacatat tagctgagtt gtccaacaca tgggtataaac 2580
gaattacaac agtaaactat tacacatttc caacttgcct ttggggattt atgaggattt 2640
tttttgggtg ggggaggggg ctccaattca tatctctgaa acccttcaca cttgggtttac 2700
taattcaaag ttagaagtct agaatttggc ctgccctaac agaaacagat taggaatttg 2760
```

## 1178

```

tctacacaaa ctggtgtcac ctgtttcttg actgggattt ggtttcctca ttataaatat 2820
gggaggtaga acagagatct ccaacgtctc tcccatttat cacagtaatt ttcttattca 2880
cagtaatcat tgttggrtgt tactttttca ncttcacatt ctcaagatgg taaaaatcat 2940
gtatatagat tatcagaant ctaagcaaag atgactgtca catctgaage tgagggtgcct 3000
taggtacatc ggccgcgacc acggtgaagcc gaatt 3035

```

&lt;210&gt; 1892

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (374)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1892

```

gtgagctccg tctcaaaaaa taaataaaat agaagcagcc ttgtaactgt atttaccatg 60
ataatatatt ctgcacggta agaattcctt ttacagacat tctttatcaa gaggtcggcc 120
cttctttttc aggcacataa gccaaatgca ggctgtgtg tagctgtgtg tttttctgt 180
ggttgcccga tttattccac ctccagctgg accccccact gcaaatagag aacagcgggtg 240
ggggatgggg gttaaaaagt agagaacctc ctttctgttc aactaatttc acgtgacagt 300
gcatgtattt attcaataaa acctttatgt tagctcaaaa aaaaattcca aatgaagaaa 360
agaaagaaac tttnaa 376

```

&lt;210&gt; 1893

&lt;211&gt; 1304

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1304)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1893

```

cggcgggcgt cggctctgcc tgtaacggcg gcggcgggctg ctgctccaga cacctgcggc 60
ggcgcgggcg accccgcggc gggcgcgag atgtggcccc tggtagcggc gctgttgctg 120
ggctcggcgt gctgcggatc agctcagcta ctatttaata aaacaaaatc tgtagaattc 180
acgttttgta atgacactgt cgctattcca tgctttgtta ctaatatgga ggcacaaaac 240
actactgaag tatacgtaaa gtggaaattt aaaggaagag atatttacac ctttgatgga 300
gctctaaaca agtccactgt cccactgac tttagtagtg caaaaattga agtctcacia 360
ttactaaaag gagatgcctc tttgaagatg gataagagtg atgctgtctc acacacagga 420
aactacactt gtgaagtaac agaattaacc agagaagggtg aaacgatcat cgagctaaaa 480
tategtgttg tttcatggtt ttctccaaat gaaaatattc ttattgttat tttcccaatt 540
tttgctatac tcctgttctg gggacagttt ggtattaaaa cacttaata tagatccggt 600

```

1179

```

ggtatggatg agaaaacaat tgcctttactt gttgctggac tagtgatcac tgtcattgtc 660
attgttggag ccattctttt cgtcccaggt gaatattcat taaagaatgc tactggcctt 720
ggtttaattg tgactttctac agggatatta atattacttc actactatgt gtttagtaca 780
gcgattggat taacctcctt cgtcattgcc atattgggta ttcagggtgat agcctatata 840
ctcgctgtgg ttggactgag tctctgtatt gcggcgtgta taccaatgca tggccctctt 900
ctgatttcag gtttgagtat cttagctcta gcacaattac ttggactagt ttatatgaaa 960
tttgtggctt ccaatcagaa gactatacaa cctcctagga aagctgtaga ggaacccctt 1020
aatgcattca aagaatcaaa aggaatgatg aatgatgaat aactgaagtg aagtgatgga 1080
ctccgatttg gagagtagta agacgtgaaa ggaatacact tgtgtttaag caccatggcc 1140
ttgatgattc actgttgggg agaagaaaaca agaaaagtaa ctggttgtca cctatgagac 1200
ccttacgtga ttgttagtta agtttttatt caaagcagct gtaatttagt taataaaata 1260
attatgatct aaaaaaaaaa angacaagaa ttaaatgata aacn 1304

```

&lt;210&gt; 1894

&lt;211&gt; 2617

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1894

```

ctactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcackag cggctgggcg ctgaggatca gccgcttcct 120
gcctggattc cacagcttcg cgccgtgtac tgtcgcccca tccctgcgcg ccagacctgc 180
caagcagcgt gccccggttg caggcgtcat gcagcgggcg cgaccacgc tctgggcccgc 240
tgcgctgact ctgctggtgc tgcctccgcg gccgcgggtg gcgcgggctg gcgcgagctc 300
ggcgggcttg ggtcccgtgg tgcgctgcga gccgtgcgac gcgcgtgcac tggcccagtg 360
cgcgccctccg cccgccgtgt gcgcggagct ggtgcgcgag ccgggctgcg gctgctgcct 420
gacgtgcgca ctgagcgagg gccagccgtg cggcatctac accgagcgt gtggctccgg 480
ccttcgctgc cagccgtcgc ccgacgaggc gcgaccgtg caggcgtgc tggacggccg 540
cgggctctgc gtcaacgcta gtgccgtcag ccgctgcgc gcctacctgc tgccagcgcc 600
gccagctcca ggaaatgcta gtgagtcgga ggaagaccgc agcgccggca gtgtggagag 660
cccgtccgtc tccagcacgc accgggtgtc tgatcccaag ttccaccccc tccattcaaa 720
gataatcatc atcaagaaaag ggcagctaa agacagccag cgctacaaag ttgactacga 780
gtctcagagc acagataccc agaacttctc ctccgagtc aagcgggaga cagaatatgg 840
tccctgccgt agagaaatgg aagacacact gaatcacctg aagtccctca atgtgctgag 900
tcccaggggt gtacacattc ccaactgtga caagaaggga tttataaga aaaagcagtg 960
tcgcccttcc aaaggcagga agcggggctt ctgctggtgt gtggataagt atgggcagcc 1020
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gtagacgcct gccgcaagkt taatgtggag ctcaaatatg ccttattttg cacaaaagac 1140
tgccaaggac atgaccagca gctggctaca gcctcgattt atatttctgt ttgtggtgaa 1200
ctgatttttt ttaaaccaaa gtttagaaaag aggtttttga aatgcctatg gtttctttga 1260
atggtaaaact tgagcatctt ttcactttcc agtagtcagc aaagagcagt ttgaattttc 1320
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ctgtgttgcc tatgtagaga acacgcttca cccccactcc ccgtacagtg cgcacaggct 1500
ttatcgagaa taggaaaacc tttaaacccc ggtcatccgg acatcccac gcagtctcct 1560
ggagctcaca gccttctgtg gtgtcatttc tgaaacaagg gcgtggatcc ctcaaccaag 1620
aagaatgttt atgtcttcaa gtgacctgta ctgcttgggg actattggag aaaataaggt 1680
ggagtcctac ttgtttaaaa aatatgtatc taagaatgtt ctagggcact ctgggaacct 1740
ataaaggcag gtatttcggg cctcctctct caggaatctt cctgaagaca tggcccagtc 1800
gaaggcccag gatggctttt gctgcggccc cgtggggtag gagggacaga gagacaggga 1860
gagtcagcct ccacattcag aggcatacaca agtaatggca caattcttcg gatgactgca 1920

```

1180

```

gaaaatagtg tttttagtgc caacaactca agacgaagct tatttctgag gataagctct 1980
ttaaaggcaa agcttttattt tcatctctca tcttttgtcc tccttagcac aatgtaaaaa 2040
agaatagtaa tatcagaaca ggaaggagga atggcttgct ggggagccca tccaggacac 2100
tgggagcaca tagagattca cccatgtttg ttgaacttag agtcattctc atgcttttct 2160
ttataattca cacatatatg cagagaagat atgttcttgt taacattgta tacaacatag 2220
ccccaatat agtaagatct atactagata atcctagatg aaatgttaga gatgctatat 2280
gatacaactg tggccatgac tgaggaaagg agctcacgcc cagagactgg gctgctctcc 2340
cggaggccaa acccaagaag gtctggcaaa gtcaggctca gggagactct gccctgctgc 2400
agacctcggt gtggacacac gctgcataga gctctccttg aaaacagagg ggtctcaaga 2460
cattctgcct acctattagc ttttctttat ttttttaact ttttgggggg aaaagtattt 2520
ttgagaagtt tgtcttgcaa tgtatttata aatagtaaat aaagttttta ccattaaaaa 2580
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 2617

```

&lt;210&gt; 1895

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (497)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1895

```

ctgagatggc ggcgcccggg atcctgtgta gcggtgagc aggggtgccgc cgccctaggc 60
gaagtagggc cgtcctgagc gaaagaaccg cccccagcag gagcaccacc acggtttagc 120
aaagaatccc agaccccgcc cggaaggcca gccgcaccat ggagtcttcc agttcatcta 180
actcttattt ctccgttggc ccaaccagtc ccagcgctgt cgtgctcttc tactcgaagg 240
agctcaaaaa gtgggatgag tttgaagata ttttagaaga gaggaggcat gtcagtgact 300
tgaaatttgc aatgaaatgc tacacacctc ttgtctataa gggaattact ccatgtaaac 360
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tttccaagga wtcccttcaa tctgtgggtg tcccccgag gaagttagta ggttttaggt 480
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aacaattttt 550

```

&lt;210&gt; 1896

1181

&lt;211&gt; 857

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1896

```

gcggggcggg ctcggccggg gcaccgggtg gtgccgggtg cagagggagg cggcactggt 60
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aggaattcaa atagcatata tatgaccatg tctgaaatgt cagttctcta gcataatttg 780
tattgaaatg aaaccaccag tgttatcaac ttgaatgtaa atgtacatgt gcagatatcc 840
ctaaagtttt attgaca 857

```

&lt;210&gt; 1897

&lt;211&gt; 779

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1897

```

cgccggcgct gcagagggag gcggcactgg tctcgacgtg ggcggccag cgatgaagcc 60
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gtaaatttaa agatgttaga agaaatgtcc aaaaagatac agaagaacta aagagctgtg 180
gtatacaaga catatttgtt ttctgcacca gaggggaact gtcaaaatat agagtcccaa 240
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```

&lt;210&gt; 1898

&lt;211&gt; 3310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1898

```

cggaggaggg ctgctgtgga ggagaagcgg aggcagagac ttgaggagga caaagaacgc 60
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cgttgggtcgt ggggaggctc tctccatggg agccctagca tccacagtgc agctcgccgc 180
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```

1182

```

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gtaacaccac ctgaggggctc ttctcgcagg aggatcattc atggcacagc gagctataaa 420
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```



1183

aaaaaaaaaa

3310

<210> 1899  
<211> 1184  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (995)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1041)  
<223> n equals a,t,g, or c

<400> 1899  
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gttggagggg agtgacaggc agcagagggc aaataaaata cctgtgaatc aaaccatggg 180  
ttaggtacaa cccacacctga aaatggactc tcagagcacc cctgtgaaac agaacagata 240  
aatgcaaaaga gaaaagatac aaccagtgc aaagatgatt cgctaggaag ccaacaaaca 300  
aatgaacaat gtgctcaaaa ggctgagcca acagagtcct gcgaacaaat tgctgtccaa 360  
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actgacgttg atgagccctt agaagtcttc atctcagcac cgagaagtga gcctgtgatc 660  
aataatgaca accctttaga atcaaatgat gaaaaggagg gccagaagc cacttgctca 720  
cgaccccgaga ttgtaccaga gcccatggat ttcagaaaat tatctacatt cagagaaagt 780  
ttaagaaaa gagtgatagg acaagaccac gacttttcag aatccagtga ggaggaggcg 840  
cccgcagaag cctcaagcgg ggcactgaga agcaagcatg gtgagaaggc tcctatgact 900  
tctagaagta catctacttg gagaataccc agcaggaaga gacgtttcag cagtagtgac 960  
ttttmagacc tgagtaacaa atgtctttat ttgcnagaaa agctacattc actttttatt 1020  
ttaaaggata taacataaaa ngtgaatgta gcttttgcag caaataaaga cattcacttt 1080  
ttatgttata tccttttaaaa taaaaaatta atttgttggg attttagatg atttgcattt 1140  
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<210> 1900  
<211> 3878  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2078)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1184

&lt;222&gt; (2079)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3847)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3869)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1900

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tgacacgggc cccacaggca tcaagtatga cctggaccgg caccagtaca actacgtgga 60
cgctgtgtgc tatgagaacc gactgcactg gtttgccaag tacttcccct acctggtgct 120
tctgcacacg ctcatcttcc tggcctgcag caacttctgg ttcaaattcc cgcgaccag 180
ctcgaagctg gagcactttg tgtctatcct gctgaagtgc ttcgactcgc cctggaccac 240
gagggccctg tcggagacag tgggtggagga gagcgacccc aagccggcct tcagcaagat 300
gaatgggtcc atggacaaaa agtcatcgac cgtcagttag gacgtggagg ccaccgtgcc 360
catgctgcag cggaccaagt cacggatcga gcagggtatc gtggaccgct cagagacggg 420
cgtgctggac aagaaggagg gggagcaagc caaggcgctg tttgagaagg tgaagaagtt 480
ccggacccat gtggaggagg gggacattgt gtaccgcctc tacatgcggc agaccatcat 540
caaggtgatc aagttcatcc tcatcatctg ctacaccgtc tactacgtgc acaacatcaa 600
gttcgacgtg gactgcaccg tggacattga gagcctgacg ggctaccgca cctaccgctg 660
tgcccacccc ctggccacac tcttcaagat cctggcgctc ttctacatca gcctagtcac 720
cttctacggc ctcatctgca tgtatacact gtgggtggatg ctacggcgct ccctcaagaa 780
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1185

```

agggcaggcc tagcttctcc cagaactccc ggacagccag gacagcctcg tggctgggca 2280
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&lt;210&gt; 1901

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (95)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1901

```

gtgagtgggtg actatgggca tctgtgtat atcgtgcagg atgggcccc ccagagccct 60
ccaaacatct actacaaggt atgagggtc ctctnacgtg gctatcctga atccagccct 120
tcttgggggtg ctctccaggt ttaaattcct ggtttraggg acamctstaa catct 175

```

&lt;210&gt; 1902

&lt;211&gt; 1807

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1186

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1184)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1902

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tggccgcccgc cgccgcttca gtggccggng tggcaaggac ccggacctca gggaggcctc 60
cgcacgaagt cggaccgtcc tgcgcgccgc ctaagtccag gcttgcccgt ctgctgccag 120
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ccgcgtc 1807
```

&lt;210&gt; 1903

&lt;211&gt; 2810

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1903

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ggcagagggg gctccatgtg gcaggagcta ggctcccaac gccactgtt cttgccacc 180
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1187

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&lt;210&gt; 1904

&lt;211&gt; 4039

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1904

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1188

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1189

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&lt;210&gt; 1905

&lt;211&gt; 3989

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (627)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1905

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1190

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&lt;210&gt; 1906

&lt;211&gt; 2629

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;



1191

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1906

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gttagacttc ccgtttctga aagaaagagc atcggtccaa tgcttggtca ctgttcctct 2340
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gtccccctgt gtctcaatac tttttttttc ttaattgcat ttgttggtc tattttaatt 2460
tttttctttt aaaataaaca gctgggacca tcccaaaaga caagccatgc atacaacttt 2520
ggatcatgat ctctgcaaag catcaaatta aatgcacgct tttgtcatgt caaaaaaaaa 2580
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaac 2629
```

&lt;210&gt; 1907

1192

&lt;211&gt; 1551

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (676)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1907

```

gctccactgc ttctactctg ggttgggatt caggaagaca ggcacagtcc tctctgttca 60
tagaaacacc tgccagtgtc aaggattcca gtcagggtgc tatcccaact ggtcagggag 120
agaagggcag acccattctc aaagaccacc atgtccaagg tctgacagct cccactggc 180
tgcccccaaca ggggctttag gctggctctg gtcattggga agcgtccctc ttatcgctgg 240
tctgtgttct cctggatttg gkatctatgt tggtagcact cctggccttt tatctaaagg 300
acttttggctt ttgtaaatca caagccaata atagactttt ttctccccct ctgttttttg 360
ctgtgtcatc tctgccttga gactgccttg agacagtgtc tgccttgaga gagtgaacca 420
attaacagct gcctgaattg tcattttcca ttttggtttg ttagaggttg gaggggtggg 480
ttttgagaag gtcaaaagca ataccagaag taaagggaaa tatcagacaa tattttatta 540
ttttttcata gatgttctgc cacacaaaga acttggggtg taaggataag gcaaaagctc 600
caatcccat tttcagttct cctaggatgc accctcagg gagcctggcc agagtccga 660
ggcccgtgag cgtcantgtt tgctttatct tccatcaaag cctctgaga agtgagacct 720
cagcaattcc gggagccaca tagagacaga ctgggcaagg gacccctgg ttctgagcca 780
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caaacctaaa tgctactgtt ccaaagagca acttgatggt tttttttaat actgagtgca 1380
aaaggtcacc caaatcccta tgatgaaatt ttaaattaat gggcaccttt caacatcatt 1440
tgcttcctta tctacagttg attcagaaat ctgcattttt tattctttta tatgactttt 1500
aagtaaaaaga tttatatgga wttaaaaaaa aaaaaaaaaa aaaataacgt t 1551

```

&lt;210&gt; 1908

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1908

```

ggcaaaactg ggggagattg ttttgctgga ggccctgggt ctgggagaag gggggctgat 60
tcctctgaaa ttgctagaag agacacaggt gaggcctaac ttgggctttc cgctaccgtc 120
ctgcaggcat tattgtcatg gcaactgctg gcatgttcaa tgtgcaccgt catggggcca 180
ttaactcagc agccatcttg ttgtatgccc tgacctgctg catctctggc tacgtgtcca 240
gccacttcta ccggcagatt ggaggcgagc gttgggtgtg ggaacatcat tctcaccacc 300
agtctcttct ctggtagga ctttcctttc cctgggtggc ctttctggat taggaatgaa 360
gaacacattg tgggctgggt cacagtgggt tcacamctgt kaatcctagc acttggggag 420
accgaggscg gaggwttcaa tttgaggccc aaaagttttg aggacaag 468

```

1193

<210> 1909  
<211> 1799  
<212> DNA  
<213> Homo sapiens

<400> 1909  
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ctccacatct atgtacaatt tctaatacca tttttgctct ggtgctgatg gtttcctgat 180  
atcaggtagg gtggagtaca gggatgcttc taccaggagt gtgattatac agccactgcc 240  
tttatttctg gctttgcctt tgtgatatgg tctatcagat gattgataaa atctatctag 300  
agtaaggata taagacaaaa taaagatact gtaattaagg ggaaaggag gctagaggac 360  
atggctcagt atccccaagt cttttatttta ggatattgggt tcagctactt ctgacttgac 420  
ttaaacagtg acaaaataac aatggcttaa acaagatagt ttatttctct tcatgtaaaa 480  
atattgaatga caatttagtg aaggtgacaa gggcccacgc ttctgctaag gtccaggcat 540  
tcctagagtg gtatatgata gatcatatgg tataagctag atcacttcca tagccacaga 600  
gtatccagtt attaatacaa acaaatgaga agaggaaggg gagagcaagt ctttctttgt 660  
ttttagagca caatccagaa gttgaattcc tatcttagtc acattaaatt ggctagagta 720  
tcgttacgta gtcagaccta gagttgcaaa ggagactgaa aaaatgcagt ttaatctgaa 780  
cagccatgtg tccaggtaaa aattctgtta ttagggaaga aagagagaat gaatattggg 840  
aaacactttc aagactccca caccaaagta ctacctaat attttattct tcctatgttt 900  
gtgtgaggta ttgaggtttt ayaaatgtgc acataatttt gcaattgtat ttttatttat 960  
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attagagctt aaagagtcac agtatcagaa ttagaatgtt aatattccca ctcaatatac 1080  
tgagggtctca ttttcattat ggtgggttta ctaactgcc catatacttc gcagggtgc 1140  
tttgaagcta aaatgagatc attcatatgg gatcacatta agctgctaga aattagaaaa 1200  
tgtacatgag atagtataaa ttttacagtc actaatttaa gtttcttttc attagacgct 1260  
gttggaagct ctgactgtgg cagttgttgt tactttctat gatgtatata ttattctgca 1320  
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gaaggatttc agcaaatttg gagcagggtt gtttgctctt ttgtggatat tgtgcctgtc 1440  
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acctgaagag tacgtattag ctgccatcag cctctacttg gatatcatca atctattcct 1620  
gcacctgtta cggtttctgg aagcagttaa taaaaagtaa ttaaaagtat ctgagctcaa 1680  
ctgaagaaca acaaaaaaaaaa tttaatgaga aaaaaggatt aaagtaattg gaagcagtat 1740  
atagaaaactg tttcattaag taataaagtt tgaaacaatg gaaaaaaaaa aaaaaaaaaa 1799

<210> 1910  
<211> 1267  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)

1194

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1264)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1910

```
cggattatgc ngamacnccc cagggnttrt gctatgacgt cgcattgcacg cgtaagcttg 60
ggccccctcga gggatcctct agagcggccg ccgcggcatt cggggaatct gcagggcaga 120
tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaag atgttttgcc tactgttgat cgcacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
tgtgtgactt ccttgagag aagattgcat ctgttttggg tatcagcacc ccaaagtacc 420
aatatgccat tgatgaatat tatcgatga agaaggagga agaagaagaa gaagaagaaa 480
acaggatgtc tgaagaagca gaaaaacaat atcaacagaa taaattgcag actgattcca 540
ttgttcagac agatcaacca gagacagtga tatccagctc atttgtgaat gtcaattttg 600
aaatggaggg agacagtga gtaattatgg aaagcaagca aaatccagtc tctgtccac 660
cataaaatga aatgactatc aagcttcaaa ctcttaagtt tttttttttt aatacaaaaa 720
ctttcacatt ctttattcag tgggacttaa tacaattatt tatattttta attattaaag 780
tatctggaaa gggaaaatgt tttcttcatt tttaggatct atctagcaaa agccagatct 840
gaaattcaga tatttgtact gtttttactg tgtatagaaa ttagtgcttt ggtttttaaa 900
tgatctttta aaaaagttaa ggacatccta gagccttaat agttaagaag agttaatta 960
tcaagcctat ttgtgcattt gctttttttg aaaaaggtaa gttgctgatt aagtctaatt 1020
ggaattgata attccatagt cttagattaa aatgaggata tttctccta gattttctca 1080
tgttatgcca tgcatttata tatctaacca ttaatttcac actaaggatg cttcaccata 1140
taataaaagg agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaggggcg gacgcgtggg tccgaccggg gaattccggg atcngtcact gncgggctga 1260
cttntct 1267
```

&lt;210&gt; 1911

&lt;211&gt; 554

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 1195

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (543)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (551)  
<223> n equals a,t,g, or c

<400> 1911  
tggcggggag cgcaagcggc ggcggccact gccacgtatt cccggcagtg gtggcgggcg 60  
cggcggcggc gcccgcgggc aggaataact caagtcacct gtactggaaa tcagtttgct 120  
gaaattaatc aacgattctt gaagttgaag aaaagttggt ctctctacag gaggttccag 180  
ccttgsaaga ggagtgtggc ccttcctgga atccctctgg acacaccctc ctagcctcct 240  
ctaggaaaga tgcggcakcs aaagggaagc ccaagaagga gacctccaag gacaagaagg 300  
agcggaagca agccatgcag gagggccggc agcagatcac tacagtggtr ctgcccacrc 360  
tggccgtggt cgtgctcttg atcgtggtgt ttgtgtacgt ggccacgcgc cccaccatca 420  
ccgagtgcgc cccgcatncg gtcgcggaac ccacggcag ggagaggaat gctcgggagg 480  
gggacgcaaa caaaaaatgg cttttatatt cagagatggt catgttgctg aactgttaag 540  
cangaancac nctg 554

<210> 1912  
<211> 1718  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

1196

&lt;400&gt; 1912

```

tggantggga ngtagtgccg tccatcagtt ntggccttcc agccagatgt tgtcattaca 60
gcagtaacct gaagctttca ccgtagacgt gctgtattgc ccagaagcca tcrtgcsct 120
ggtcggsctc ctgcggaggc tggctgcctg ctgggagcac cagcgggctc ctgaggtcta 180
crtggccttt acygtccgca acccagagac gtgccagstg ttcaccaccg agctaggcyg 240
ggctgggatac agatgggaag cgggaagctca tcatgaccag aaactgtttc cctayggaga 300
gcacttggag atggcaatgc tgaacctcac actgtaggac tcacacacga ctccaacggg 360
attgtgagaa tcaagtcact ctcatgggaa gaatttttat atgggaaagc ggataaaaact 420
ttcattggac tggaatgttt ggagaatgtt aawttccaaa tcaggaacca caaactgcc 480
tctaataaga catcggtat ctaagcgtgt gggtgcccc tttctgccag cagttctggt 540
tcttaagaaa atcaccataa atcagacatg aaaattcttg ctccaaaaay agcattttct 600
ttgtgcaaat aaaaacgtgt gtatcaagta tgatgttccc ccaacgtgga cacactcagt 660
tcctcacaaa gccaaagcca ctgcagctgc cacatccctg ggcttacggt gcagcaggtg 720
cttttttcaa gacaggaatc aaaatgttag gaacacggca gaaaggggac acctggagac 780
caaacgcagg atgaggagtt ctgcagaggt cacagggaag tcacagaaca gtaatacgt 840
agcaggggga tggggcgtga agaacagaag aagagaggaa gcgtttccaa gcctccagag 900
aagaaatcaa ggccaaccaa agcttcccgg gtcacagaac caattctttt accaggcagt 960
accactgtc tcatctcagc ttctggccac tgggaggtgc tgctcgaaag ggtttgccct 1020
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gaaagtttga gaaaagcatc tgcaaaaaaa taaagagcag agcttamctc attkcctgtc 1260
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cctccaaact gacatcaygc tttctggaaa cttcccgtg tgtcccactt tcccacactt 1440
ggtgccctgg aacactccc gctctaacg tgctgtatrt tcccctgcga amacctcctc 1500
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agccttgcta aactstctga atcaaggatc aaaaactaca cctgcaggcc aaatccagcc 1620
cacagcctgt gtttgtaaat aaagctttat tggaasaaag ccaaaaaaaa aaaaaaaaag 1680
gggggcgctc taaaagatcc tccaaggggc aagcttta 1718

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&lt;210&gt; 1913

&lt;211&gt; 1975

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1913

```

actctctnca ggttgaaaag cctctttatc catttaatcc tctctggccc tcttccccct 60
mcwgcgtgga tgcaactaga gagacaaatc gcctaggaag actgatcaat cacagcaaat 120
gtgggaactg ccaaaccaaa ctgcacgaca tcgacggcgt acctcacctc atcctcatcg 180
cctcccgaga catcgcggtc ggggaggagc tctgtatga ctatggggac cgcagcaagg 240
cttccattga agcccaccg tggctgaagc attaacgggt gggccccgtg ccctccccgc 300
cccactttcc cttcttcaaa ggacaaagtg ccctcaaagg gaattgaatt ttttttttac 360
acacttaatc ttagcggatt acttcagatg tttttaaaaa gtatattaag atgccttttc 420
actgtagtat ttaaataatc gttacaggtt tccaaggtgg acttgaacag atggccttat 480

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1197

```

attaccaaaa cttttatatt ctagttgttt ttgtactttt tttgcataca agccgaacgt 540
ttgtgcttcc cgtgcatgca gtcaaagact cagcacaggt tttagaggaa atagtcaaac 600
atgaactagg aagccagggtg agtctccttt ctccagtggg agagccggga ccttccccct 660
gcacccccga catccaggga cggggtgtga ggaagacgct gcctcccaat ggcctggacg 720
ggatgtttcc aagctcttgt tcccctaacg tctcaacagg cgctcactga agtgatgaa 780
tattttttta aaagggtttt gcagtaagct agtcttcccc tctgctttct cgaaagctta 840
ctgagccctg ggcccccaagc acggggccggg catagatttc ctcttcacac agctgccgct 900
tttctgggca ccttgaagca tcaggggcgtg aaatcaaact agatgtgggc agggagagtg 960
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cacactgtcc cttcagtcca gggggccggg gctcaggagc catgacctgg tgtctcctgc 1620
ccacctggt cccaggtaaa tgtgaatgga gacaggatg agaggctgtc ctcgtctttg 1680
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cacccccgc tagcctggtc agtggtcagc aaattggaag aggatccgat gggagtgtaa 1800
atgtgagaca caatgtcttg attatacctg tttgtggttt agctttgtat ttaaayaagg 1860
aaataaaact gaaaattatt tgtcatcata aaaatgaaac aaattaaaat atttattgcc 1920
aggcaaaaaa aaaaaaaaaa aagttttggc ccatagttag tcctttacaa gtcga 1975

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&lt;210&gt; 1914

&lt;211&gt; 508

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1914

```

gtacaagatg acggagccgg gcgcctctcc cgaggaccct tgggtcaagg tggagtatgc 60
ctacagcgac aacagcctgg accccggggt tttttagaa agcaccgcga aggggagtgt 120
agtgtccaga gctaatagca tcggttccac cagtgcctct tctgtcccca acacagatga 180
tgaggacagt gattaccacc aggaggccta caaggagtcc tacaaagacc ggcggcggcg 240
cgcacacact caggctgagc agaagaggag ggacgccatc aagagaggct atgatgacct 300
tcagaccatc gtccccactt gccagcagca ggacttctcc attggctccc aaaagctcag 360
caaagccatc gttctacaaa agaccattga ctacattcag tttttgcaca aggagaagaa 420
aaagcaggag gaggaggtgt cacgttacgc aaggatgtac cgnccataag atcatgaaag 480
tgaactatga rcagattgtg aaggcaca 508

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&lt;210&gt; 1915

&lt;211&gt; 2885

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1198

&lt;400&gt; 1915

```
gggcacgagc ggctgctggc tcctcctcgt ccttgctcctc gtcctacttg tgagcccccg 60
cggtgccga gcgcggcggg gcctccgcgg tctgctcatg gcgcacagcc agcggtgct 120
cttccgaatc gggtagagcc tgtacacccg cacctggctc gggtagctct tctaccgaca 180
gcagctgcgc agggctcggg atcgctaccc taaaggccac tcgaaaaccc agccccgcct 240
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catcgacacc caggcccagc tggctgtggc tgtggaccct tcagaccctc gggctgtgca 360
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ggamcacart ggarggaacc gtgamctcar ccggggggcac cgggactgtc ggggtgtacg 480
gagccctcag gacggcatcc cctacctcac ccacccctg tgcatcaag atgtggtcag 540
cgtgggacgg cttcagatcc gggccctggc tacacctggc cacacacaag gccatctggt 600
ctacctactg gatggggagc cctacaaggg tccctcctgc ctcttctcag gggacctgct 660
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ggacactgtg ctggggctag gggatgacac ccttctgtgg cctggctcatg agtatgcaga 780
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ggagcgctcc tacaacctgt tcctgagaac ccactgcctg gcgctacagg aggtctctgg 960
gccggggccg ggccccactg gggatgatga ctactcccg gcccagctcc tgggaagagct 1020
ccgcccggctg aaggatatgc acaagagcaa gtrattgccc cagcgccccc agcccagccc 1080
actccccgca tgggaggccg ccaccaccaa cacctcatca tcttctcat cgctaacacc 1140
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gatcaggcga tgagactgtg aaggccaaaa gaagggggccc tgttgagggc tgggaacccc 1260
gcagcgcgag gctgcctcat caacggcaag aggaaaggag gggctctcgg acatctccag 1320
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aaaaa
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1199

<210> 1916  
<211> 3008  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2235)  
<223> n equals a,t,g, or c

<400> 1916  
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cagatagtta aggaagggtc ttagataatg cagtatactt attaacatac agacatcaag 180  
aagcagaaat atatagacat ctcccttttt gggttctaata gggcttcgtg ggacacatat 240  
gcaacatgcc tatgattttt acaagcctga tatgctatct gaatatccta tagtagatgg 300  
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## 1200

```

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gcattaatca tacaccttat taacggtgag gtgaataact ttgaaataaa gtttttagaga 2940
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ctcgtgcc                                     3008

```

<210> 1917

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1917

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gtgctgctgc tgggtctgca gacgcgatgg ataacgtgca gccgaaaata aaacatcgcc 180
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cattgacagt tggtggagggt gtgtttgcac ttgtgacagc agtatgctgt cttgccgacg 360
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tgcataaaaa aaaagaagtt ttgtaatttt atattacttt ttagtttgat actaagtatt 480
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cgccgtatat gatcgtaa                                     558

```

<210> 1918

<211> 1819

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1763)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1778)

<223> n equals a,t,g, or c

<220>

1201

&lt;221&gt; misc feature

&lt;222&gt; (1797)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1918

```
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ctatctttta acatttatct gtgaagtgac aaatggccta cagctgtgag agcaaagtgga 120
catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgcgttttg ctctggctga tgctgggtgac 240
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caggccgcaa aagataagta ccgtgaattg gctgtggaag ggatgcacag agaacttgtg 540
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aaaaaaaaaa aaaaaaaaaa aanttcctgc ggccgcangg ctttttccct ttggtgnggg 1800
gttaattttg ggcttgggc 1819
```

&lt;210&gt; 1919

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

1202

&lt;400&gt; 1919

```

ggcaaaacca cttgcgcccc gactcaatga acttgtcata ctccacggac atcttgcagc 60
agagggcctg acgagtgcg accgccgagc agttgggtgt gatgacacgg tcgccgccct 120
ggagctcgag ctccagggctg tccccgctcg tgaagataaa cgtctgctgg cgggcccggg 180
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tttgaagttg ctttgtggcc atactttatt gtagtttkgg gatacagcta atgagtattt 480
ggsttttatt ctgattttat agtctgatta tttgggtcaa atcggnntag taggttaaatt 540
gagatgattt agtnggttaa ctacttagg tttttaa 577

```

&lt;210&gt; 1920

&lt;211&gt; 2115

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1342)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1920

```

cagcaacgga ataaacgtgc aacatacgag cggatgatcca cagatgggtg cccatctctt 60
ctttgatttg ccctttattg cctaaccagc caaaaccagt nggcactacg gaatttttac 120
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attgccatt cgtagtggtt gtaatgccag gtggaatggt ttcaacaagt cagggtgaaa 480
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atctcaaatt catttcatgc cagtaaatgt ggcaaagaga agaaaggccc aagagcgaga 600
caagaagaat ggagaagggg gcagccaaga agaacttctg ggttcagggt actgtttatt 660
tgctccttct ctcatgcct gtggctggat gtcccacaac actataagaa atataagtca 720
agccctttgt gtttaagcaag aactacagac tccatctttt caccctaatc atgaatgacc 780
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```

## 1203

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cgcatacata atggttttct ttaagtgaat ggaagagttt gacagagata cacctttgta 1260
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```

&lt;210&gt; 1921

&lt;211&gt; 3953

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (618)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (626)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1921

```

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1204

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```

1205

<210> 1922  
<211> 1992  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1955)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1989)  
<223> n equals a,t,g, or c

<400> 1922  
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gttttaatcc tgtattattt cttctacttt gttttgtgta aaaggggaaa aaataaaaaa 1920  
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cccatagng ag 1992

## 1206

<210> 1923  
<211> 725  
<212> DNA  
<213> Homo sapiens

<400> 1923  
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gaagg 725

<210> 1924  
<211> 2227  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<400> 1924  
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1207

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aaaaaaa 2227
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&lt;210&gt; 1925

&lt;211&gt; 3911

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1925

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1208

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&lt;210&gt; 1926

&lt;211&gt; 1041

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

1209

&lt;400&gt; 1926

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&lt;210&gt; 1927

&lt;211&gt; 2310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2309)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1927

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## 1210

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gttttttagt ctttattaat ttgtattgca taaaatatgg ggcactagca ctacaagaaa 1620
tatttgatgg tatacaacca aaaatgtttg gaatggtttt ggaaaaaatt attattcttg 1680
aaattcagaa ggtatctgga aatgtagaga aaaagatctg tgcggttggc ataaccaaat 1740
tactaacaga atgtccccc atgatggaca ctgagtatac caaactgtgg actccattat 1800
tacagtcttt gattggtctt tttgagttac ccgaagatga taccattcct gatgaggaa 1860
atcttattga catagaagat acaccaggat atcagactgc cttctcacag ttggcatttg 1920
ctgggaaaaa agagcatgat cctgtaggtc aaatggtgaa taaccccaaa attcacctgg 1980
cacagtcact tcacaagttg tctaccgctt gtccaggaag ggttccatca atgggtgagca 2040
ccagcctgaa tgcagaagcg ctccagtatc tccaagggtg ccttcaggca gccagtgtga 2100
cactgcttta aactgcattt ttctaattgg ctaaaccag atgggttctt aggaaatcac 2160
aggcttctga gcacagctgc attaaaacaa aggaagttyt ccttttgaac ttgtcacgaa 2220
ttccatcttg taaaggatat taaatgttgc tttaacctga aaaaaaaaaa aaaaaaagg 2280
sggccggacc caatttnccc taaangggng 2310
```

&lt;210&gt; 1928

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1928

```
gtgctgccgc ctcccgctgc cctgcgctc agaggtcccg aaccagccca gccgctgcct 60
cttgccgctc cgccttttga gtgaggagg cgcagccgc gtcagaactt agagggccag 120
gcagggtcgc gcgcatggcc tgggcgggct cgcggcggtt cccagctggg acgcgcgcgg 180
cagccgagcg ctgctgccgg ctctcgtca gccggggcgc gcaaccggcc cgcgccaggc 240
cctctgcacc gccgcgacca atgaggtttc tgacctctg carectctc ttgcctcggg 300
ctgcccagat cttggcggst gargctggct taccttcgas ccgttctty atgggatttg 360
ctgctccctt caccaacaag cgaaaggctt actcggagcg tagaatcatg ggggtactcaa 420
t 421
```

&lt;210&gt; 1929

&lt;211&gt; 1283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1211

&lt;400&gt; 1929

```

gcacggcgca gtgaatacaa gaaaggggca ctattttaac acaacctttt cccgtgatca 60
ccaccgaaaa ttactgacga gtcaatcacc tcagatctct caagcagtcc agcctacgca 120
acagtactcc acctctgcmc ctgtgcgggg agggtaaggc ggggccagca acttcctcag 180
ctggaggagg agcgcacggg ggagccgcca gttgagaagg actctgatcc ggctcagctt 240
tccaatcagc tgcggaagga gccacgcttt cgggggttgc aagatggcgg ccaccagtgg 300
aactgatgag ccggtttccg gggagttggt gtctgtggca catgcgcttt ctctcccagc 360
agagtcgtat ggcaacgatc ctgacattga gatggcttgg gccatgagag caatgcagca 420
tgctgaagtc tattacaagc tgatttcac agttgacca cagttcctga aactcaccaa 480
agtagatgac caaattttact ctgagttccg gaaaaatttt gagaccctta ggatagatgt 540
gttggaacca gaagaactca agtcagaatc agccaaagag aagtggaggc cattctgctt 600
gaagtttaat gggattgttg aagacttcaa ctatggtact ttgctgcgac tagattgttc 660
tcaggggctac actgaggaaa acaccatctt tgccccagg atacaattct ttgccattga 720
aattgctcgg aaccgggaag gctataacaa agctgtttat atcagtgttc aggacaaaga 780
aggagagaaa ggagtcaaca atggaggaga aaaaagagct gacagtggag aagaagagaa 840
caccaagaat ggaggagaga aaggagctga tagtggagaa gaaaaagagg aaggaatcaa 900
cagagaagac aaaactgaca aaggaggaga aaaagggaaa gaagctgaca aagaaatcaa 960
caaaagtggg gaaaaagcta tgtaaggat acagggaaca gcactctaga agctatgact 1020
caattgagac tacaagtacc acggtgctac ttgcacagac ccctttgggt aaatgtaaat 1080
tcttgtaaaa ttgaaggata cgcagaagga catctttcta gtctaacagt caggagctgc 1140
tctggctatt cccttgatg aactggctta aagactgtta gtgggggtgt agttgatatt 1200
tcctggtata ctgtttcttg gctgacacta ctggtcaagt aagaaatttg taaataaatt 1260
tcttttggtt cttattatct aaa 1283

```

&lt;210&gt; 1930

&lt;211&gt; 762

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (512)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (649)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (667)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1930

```

gaatgatcag tatacaagat acagtatttt ctagaaaaac tgtctctgat tctggacaaa 60

```

## 1212

```

gctcagttat agttacgaga aagatatggt acagggagga aaatactgcc tttttttttt 120
ttttaaagag attttcagac taaatagaaa tgtcaaatg atgtatcaat gggtcttttt 180
tagaacaagt tttcaaagca taaaaagagg ttgagagaaa taacatattt attgattcac 240
ataagtatgt ttttcttcat taatcgtctg gagaaaccca cttgtcatta atttgttttg 300
ggctagggttt tcaaacttac caaattgctt taaaaaagca atttggaagg taatttgata 360
ggctttccaa cttaaccaa ttttttattg taattcttgg atagtatttt tgtctttttc 420
aattcatttg tctttttcag tatagttttt gttaaggcaa atgtcttccc ttaatatcca 480
aatattgcta ataaacggta gaagatgctt tnggaaatta aaattatctc gctgktgggt 540
agacttaaca ctgktaatct tyagccaaat atcacatatg gatcaaatta tttctnttt 600
tgttgtttac ctatcctcaa caacattttt agtttaaatt attgtaaana tttttttgtg 660
gggtggttatt tttatttgct ccaaaataat aaggtgcaaa ctattttatg cttactgtt 720
gctctgtcaa aacactatgc atggattgca tttgaaaaaa aa 762

```

<210> 1931

<211> 1633

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1605)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1618)

<223> n equals a,t,g, or c

<400> 1931

```

tgctctnat tttaggctga ggccgtccaa agcggccatg ccccatgttt ccactagatg 60
gcgctgacac ttcaggcatc aaccctcatg gcctctcagc cttgcaaagg cagccactta 120
aagtcggtgt cctgtgtggg gcaccaagct gagctgcaga caccagtag gcgcgaggca 180
aatgcgtccc attttaagag gcttgtattt atgagctctt tgettccctcc ctcccactaw 240
ctttaaagaa ttgctctcca tctcctttgg caaagtctct ttgccctttg tcttattttt 300
gtgaaacctc caaggatatt ccagtccatt tgcattccaa ctggcatctt tacggagagc 360
gggtctcatat gctattgttg ttaacgtgga ctagtattta tgtgttgaga acactggctg 420
tttgtmagga aaagtgtgcc aaaacaaaga gtacggccgg ccctggaaat gcatcagcaa 480
aaccattttc ccccgctgcac tcattctgag ctctcttctc tcatttctgt cattactgct 540
gagaactgga ctgtgcccag ctgacctttc ccttccttgc cctcatcttg ctgccagggt 600
ctgcagggttt gccaccgtcc cggccccagt ctgaaacatg ggattatttc agaattggag 660
gtggcagctt cagaaaaaaa tccttctcgt gtgttgactg ctgagatcca ggaactggga 720

```

## 1213

```
aatcaacccc cagttttag attgctctct ttggaaattc tgtggcccaa cctcgtggct 780
gttttctgga attccttcta tcggggcaga cagtgcgtgt cctttcttga cttcaggatg 840
ttccaaggat gctgctggat ctgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc 900
gtgcgtgcgt gtatgtgcgc ctgaccctga tttctgcaac ctccagattt ctttcttgac 960
ccttcaaagt ggaacagtcc agtgccaaaa atttttagagt ttgagaaggt cacagaaatc 1020
ctctagttag tgccctccaca gtcttcattt tacagaggaa ctcagggtta atggagttaa 1080
tgcaactaga tcagggtttt gggctctgtgt tctttctacc gtcagcacct gtgtgggtcaa 1140
ttctggacac tcccagaga agtcttttag tagagaatcc tactcaaatt tcaactgtata 1200
ttttaagcat tcctctcctt tccctttgcc tcccctgttg ccttttcttc ccttgatttc 1260
tcctctggtc atctcctctc ccttctgcgt gtaagccatg ggaaagggat gagggaggac 1320
agcttctggt taaacacagg tccctcttcc acatcaaatt aacattgggt tcctgggaca 1380
gaaggccttc aaaggaggga ttgcaaagca aggcaaagcg ttctgtcttc attttcccca 1440
tccccatgag acaagactga tggaaagggg ggtggggcaa cactgcttaa tggatgcctt 1500
ttcacatcat ttcagttttt agccctcatg actgtatttt ctaatcagag acaataacat 1560
tttaataaaa acaacgacaa agaaaaaaaa aaaaaaaagg gggcnnccct caaaggancc 1620
aacctttctt acg 1633
```

&lt;210&gt; 1932

&lt;211&gt; 1126

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1932

```
ttcgttttag tcggctggaa attatgtcct ccgtcggttt tccgcagttt tccaccaag 60
cgagatattt ttgggagtta ttccctaaat aactgcatta tatgtcctt tcatgacgaa 120
attgctgccg tggagaagac tggaggaaac tcgaggaaga gggagaagcc gacaagtgc 180
cgacgggcta ggaactgtcc tgcttgggtg ttagcgtttc ccgycgggccc agtaaggctg 240
agtascggg cgtggctact aggagaagga cgtacgggtc tgctagtaga ggaatatgtc 300
gagtttctct agggcgcccc agcaatgggc cacttttgc tagaatatgg atctcttaga 360
tgggaaaatg cagccacctg gcaaacttgc tgctatggca tctataagac ttcagggtat 420
acataaacct gtgtaccatg cactgagtga ctgtggggat catgttggt taatgaacac 480
aagacacatt gcattttctg gaaacaaatg ggaacaaaaa gtatactct cgcatactgg 540
ctaccagggt ggatttagac aagtaacagc tgctcagctt cacctgaggg atccagtggc 600
aattgtaaaa ctagctattt atggcatgct gccaaaaaac cttcacagaa gaacaatgat 660
ggaaagggtg catctttttc cagatgagta tattccagaa gatattctta agaatttagt 720
agaggagctt cctcaaccac gaaaaatacc taaacgtcta gatgagtaca cacaagaaga 780
aatagacgcc tcccgaagat tgtggactcc acctgaagat tatcggtat aagagaataa 840
gaattgcaga aaataacagt gaagtgattg aaactttctt ctgatgagtt tctctaacct 900
acaggatgga gtaaaacaac tgctacagtt cagcacctgt tttatgtgcc gaatcactgt 960
ggggaaaggt caggaagggt tagtccttca ataggaaatt gtaattaaaa tataatttta 1020
tagaaccatt tttatgtaat ctgatttgaa tgttatagtt gataataata aaatcactta 1080
cttggttgac tatttagtgt tgcatttaat gataaaaaac agaccc 1126
```

&lt;210&gt; 1933

&lt;211&gt; 1797

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

1214

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1933

attctcaaaa	gagtattaca	ggcgtgacac	cactcttggc	ccagcctgtg	ggttttgatg	60
gggatgtctt	ggctgctgtc	ttggaggcac	agtgtctccc	catgtgtgtg	tttcttggcc	120
cagagtgact	cccagtatcc	ctagtccttc	cccacaggat	agtcacatcc	attatttact	180
tttgttgtca	gctgggaggg	gaaactgaag	cctggacacg	tctccccaag	ggctcagtgt	240
tcatgggtgt	gtaagatcca	ttgactggac	cccagaaagc	accctgaggg	gcagtgcaga	300
gagagcccag	gaagcccctc	cactagagga	ggcccttggg	ctggctgagg	accacgtcac	360
cctgggcctc	cagsetgnct	tttcacatta	aaggcggggc	agtctcctct	caaaggagtt	420
ctcccttgag	cacttttggc	tctggggcag	agttgggcta	ggagatctgg	gtgaatcctt	480
tagtcacagc	tagtctcatg	ttcctcttct	gtcaaagggg	tcatggcccc	agtggtgtct	540
acctcagagt	tgtcagggtc	aaagtaacag	gcactgggac	aaatatgaag	cctagctttg	600
tgcttccttt	caaattcagg	gcctcctttc	tactccattc	cagccttttt	ttcctgtcag	660
aatccctcag	gaaggacctt	tatcttctgg	agtgagtggc	agttccactg	ggttcagtga	720
aagagtgcgc	catggggctc	tggtcccccag	gagtcctttg	tatttttggtg	aacaaattct	780
taccaaagca	tgagattcgg	actgtagaag	ttcagactgc	ctcagttcag	actgcctcat	840
ggggcagttc	ggaggtcagc	tggtcttctg	tgtctctcat	cacaccactg	cggacgctgt	900
ctgtagagca	gccttgggtg	gggtgactct	gaagctggag	tgatgggacc	ccagctatcc	960
ttgtttttta	ccgccttgtc	tggtcactgt	accacgcttc	agggctgctt	ctgggggtct	1020
tggtccctgg	atgtgccatt	tccttgccct	tctgaccctc	acacttcttc	caaagtcttg	1080
agcagagtgt	ggggccaatg	gtagcattgc	tgtcatctct	gggaggagag	tgagtataca	1140
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gagacggggt	gtcagcaaga	gctcagacag	gatgtgggtg	aagtgcaggt	gcacgagttt	1320
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ctgattctcc	ttttttcttt	ttttcatacc	aatgtgctca	aactttgagc	taggtcttgt	1500
gagtttgcct	agcactcaga	cctgtttaag	taacgttctt	tacattgaaa	caagtcaacc	1560
gaagctttgt	ggtgcaggag	ctgagggtgc	cccagactca	gtgggagccc	tggttggggc	1620
ccaaactctc	ccagcagggg	cctcggtttc	ctcattttgt	aaataaatga	gtgggccacg	1680
acgttaataa	gcccaagaga	actgtgaagg	tggtagtccc	ttgccctaata	tggtgtctcaa	1740
taaagtgtgt	ggcataaacg	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa	1797

&lt;210&gt; 1934

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



## 1215

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1934

```

ttcaggtgac actcatagaa ggtacgcctg caggtaccgg tccgraattc ccgggtcgac 60
ccacgcgtcc gcacattagc aacaatgtac attaatTTTtg gattttcatt ttcattgttt 120
atTTTgtaaa tattatctga tgtttggagc ttgagtatac agactgtaaa tatagttctt 180
gtatttgtac taattctgat tcttttgctg tatagcctta gatgtgcaat gcagacacta 240
tctaactgtg tgtggtaacc ttgcgtcacg gagctgttag tgaacgaggt aaaaataata 300
aaggtacagc cagtngcatc aaaaaaaaaa anaanaa 337

```

&lt;210&gt; 1935

&lt;211&gt; 1330

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1935

```

gctgcgctcg gctgagtcag tcagtctgtc ggagtctgtc ctccggagcag gcggagtaaa 60
gggacttgag cgagccagtt gccggattat tctatttccc ctccctctct cccgccccgt 120
atctcttttc acccttctcc caccctcgct cgcgtagcca tggcggagcg tcggcgcca 180
ctcagtccca ttccatctcc tcgtcgtcct tcggagccga gccgtccgcg cccggcgcg 240
gcggggagccc aggagcctgc cccgccctgg ggacgaagag ctgcagctcc tectgtgagg 300
tgcacgatct gattttctgg agagatgtga agaagactgg gtttgtcttt ggcaccacgc 360
tgatcatgct gctttccctg gcagctttca gtgtcatcag tgtggtttct tacctcatcc 420
tggctcttct ctctgtcacc atcagcttca ggatctacaa gtccgtcatc caagctgtac 480
agaagtcaga agaaggccat ccattcaaag cctacctgga cgtagacatt actctgtcct 540
cagaagcttt ccataattac atgaatgctg ccattggtgca catcaacagg gccctgaaac 600
tcattattcg tctctttctg gtagaagatc tgggtgactc cttgaagctg gctgtcttca 660
tgtggctgat gacctatgtt ggtgctgttt ttaacggaat cacccttcta attcttgcgt 720
aactgctcat tttcagtgtc ccgattgtct atgagaagta caagaccag attgatcact 780
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aaaacacccat ttaatagtta taacgtcgtt acttgtacta tgaaggaaaa tactcagtgt 960
cagcttgagc ctgcattcca agcttttttt ttaatttggt gttttctccc atcttttccc 1020
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cagaagaaga aagaatcawa ttcataggat aagtcaatac cttaatggtg gtagagcctt 1140
tacctgtagc ttgaaagggg aaagattgga ggtaagagag aaaatgaaag aacacctctg 1200
ggtccttctg tccagttttc agcactagtc ttactcagct atccattata gttttgcctt 1260
taagaagtca tgattaactt atgaaaaaat tatttgggga caggagtgtg ataccttctt 1320
tggttttttc 1330

```

&lt;210&gt; 1936

&lt;211&gt; 678

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1936

```

ccggcaggtg acaacggcaa catggccctg aacggagctg aagtcgacga cttctcctgg 60
gagcccccgga ctgaggcgga gacgaagggt ctgcaggcgc gacgggagcg gcaagatcgc 120
atctcccggc tcatgggcca ctatctgctg cgcggttacc gcatgctggg cgagacgtgt 180
gcggactgcg ggacgatcct cctccaagac aaacagcgga aaatctactg cgtggcttgt 240

```

## 1216

```

caggaactcg actcagacgt ggataaagat aatcccgcgc tgaatgcccaggctgccctc 300
tcccaagctc gggagcacca gctggcctca gcctcagagc tccccctggg ctctcgacct 360
gcgccccagc ccccagtacc tcgtccggag cactgtgagg gagctgcagc aggactcaag 420
gcagcccagg ggccacctgc tctgtctgtg cctccaaata cagatgtcat ggctgcaca 480
cagacagccc tcttgacagaa gctgacctgg gcctctgtcg aactgggctc tagcacctcc 540
ctggagacta gcatccagct gtgtggcctt atccgcgcgt gtgcggaggc cctgcgcagc 600
ctgcagcagc tacagcacta agagaagccc ctgagaaaaa ccctctagaa aaacaaaaaa 660
aaaaaaaaaa aaaaaaaaaa

```

&lt;210&gt; 1937

&lt;211&gt; 2428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2422)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1937

```

ccgccgcccc cgccctgggccc gcgctccccc tctcccgcgc cctccctccc tgctccaact 60
cctcctcctt ctccatgcct ctgttctctc tgcctctact tgtcctgctc ctgctgctcg 120
aggacgctgg agcccagcaa ggtgatggat gtggacacac tgtactaggc cctgagagtg 180
gaacccttac atccataaac taccacagaa cctatcccaa cagcactgtt tgtgaatggg 240
agatccgtgt aaagatggga gagagagttc gcatcaaat tgggtgacttt gacattgaag 300
attctgattc ttgtcacttt aattacttga gaatttataa tgggaattgga gtcagcagaa 360
ctgaaatagg caaatactgt ggtctggggg tgcaaatgaa ccattcaatt gaatcaaaaag 420
gcaatgaaat cacattgctg ttcattgagt gaatccatgt ttctggacgc ggattttttgg 480
cctcatactc tgttatagat aaacaagatc taattacttg tttggacact gcatccaatt 540
ttttggaacc tgagttcagt aagtactgcc cagctgggtg tctgcttccy tttgctgaga 600
tatctggaac aattcctcat ggatatagag attcctcgcc attgtgcatg gctgggtgtgc 660
atgcaggagt agtgtcaaac acgttggggc gccaaatcag tgttgtaatt agtaaaggta 720
tyccctatta tgaaagttct ttggctaaca acgtcacatc tgtgggtggga cacttatcta 780
caagtctttt tacattttaag acaagtggat gttatggaac actgggggatg gagtctgggtg 840
tgatcgcgga tcttcaataa acagcatcat ctgtgctgga gtggactgac cacacagggc 900
aagagaacag ttggaaaccc aaaaaagcca ggctgaaaaa acctggaccs ccttgggctg 960
cttttgccac tgatgaatac cagtgggttac aaatagattt gaataaggaa aagaaaataa 1020
caggcattat aaccactgga atcaccatgg tggagcacia ttactatgtg tctgcctaca 1080
gaatcctgta cagtgatgat gggcagaaat ggactgtgta cagagagcct ggtgtggagc 1140
aagataagat atttcaagga aacaaagatt atcaccagga tgtgcgtaat amctttttgc 1200
caccaattat tgcacgtttt attagagtga atcctaccca atggcagcag aaaattgcca 1260
tgaaaatgga gctgctcgga tgtcagttta ttcttaaagg tcgtcctcca aaacttactc 1320
aacctccacc tctcgggaac agcaatgacc tcaaaaacac tacagcccct ccaaaaatag 1380
ccaaagggtc tgccccaaaa ttacgcaac cactacaacc tcgcagtagc aatgaatttc 1440
ctgcacagac agaacaacaa actgccagtc ctgatatcag aaatactacc gtaactccaa 1500
atgtaaccaa agatgtagcg ctggctgcag ttcttgtccc tgtgctggtc atggctctca 1560
ctactctcat tctcatatta gtgtgtgctt ggcactggag aaacagaaaag aaaaaaactg 1620
aaggcaccta tgacttacct tactgggacc gggcaggtaa ctcacgtggg ctttgcattc 1680
catttctatc agagggatgt cgctccccta cagggggcag tagtgaaaaa agagtcattc 1740
tctggcccag gtgaactccc cgacactgtt agaacaatgg cattactctt cagttctcac 1800
catttttacc cttctgcaaa gtctcttgta attcctaagt aatgaaatga aaagtacaaa 1860

```

1217

```

tttcttaaaa caagctctgt tctttttctt ctggaaaact tgtgtagttt gtcctgtgta 1920
tctgtttctc atgaggagac cggctttctg tggcccacgt gaacactgag taagaaacaa 1980
aagactgtgg tctccaggac acagtgtgtg tttgtcctct gccatgggta ttcaccaagt 2040
ggagtccagc agtttaggaa tcgggaggtc tcccatgatg agttgtcatc ttctgaattg 2100
ctgcaagtga caccaaaggg gccccctac cagttttctca cttcccagtc tcactactgg 2160
atcagctctt aggagccagg agagttcact gctgtggcta ggatagaaaa gggcagctag 2220
tgccccaggg tagatcttgg aaaatatttt ttgggaaaaa tgtaattaag gccaccccta 2280
aaatagatac tgtatctggc tgtactatac taacagtgat ttgcctgcat gtgtttgata 2340
gagatttcta ccatgtactg cttggtgctg gatagtctat cacagcaara aaaaaaaaaa 2400
aaaaaactcg agggggggcc cngtacct 2428

```

&lt;210&gt; 1938

&lt;211&gt; 922

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (849)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (893)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (909)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1938

```

gtancngaca gtcacggctg gattcccggg tcgacccacg cgcccggtcc gcagtgacta 60
cactcatggc aggtcccctg tggcggaccg cagcatttgt gcagagacac aggacaggcc 120
tcttggtggg ttctgtgca ggctgtttg gagttccagt ctctgtaccac ctcttcccgg 180
atcccgtggt ccaatggctc taccagtact ggctcaggc ccasccagct ccgctccctc 240
cacagctgca gagcctcttc caagaggtgc tacaggacat aggtgttcct tcaggccatt 300
gctacaagcc cttcaccacc ttcaccttc agcctgtgag tgcaggcttc ccaagactcc 360
ctgctggggc tgtggtgggc atccctgcc gtttcttggg agacctagt atcaacacta 420
accatcccgt ggtcatacat gggcatacag tggamtkgcg gagccagcar gcgcccggct 480
gagagcttcc ctgacctgt cccgtgaage ccagaagttc gccttggcca ggggaagtgg 540

```

## 1218

```

gtacctggaa agcagtagca ctgccgtgca cgccctgctg gcccagctt gcctggcagg 600
gacctgggca ctgggcgtgg gtgccaagta caccctgggg ctccatgcag gcccctgaa 660
tttacgggct gccttcagct tgggtggcagc agtggcaggc tttgtggcct acgccttctc 720
ccaggattct ctactcatg ccgtggagtc ctggctggac cgccgcacgg cytccttctc 780
tgcagcctat gcctgtggtg gagtggagtt ctatgagaag cttctgtcgg gcaacctggc 840
cctgcgcant ctctttgggc aaaagaaggg ggagaagctg tatacaccca acngggaaca 900
tcgtccccna gacacttggt cc                                     922

```

&lt;210&gt; 1939

&lt;211&gt; 756

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1939

```

tcccnacccc tcttccccct actttgcctt accccctcac ccctcaagac agatgcccc 60
ttgcctttta aaaagtgtga ttttaaccga cgtgtttagg ggttcttggg ctgtgtgaag 120
gcagagacca gagagaagga agtgagccca ctgctctcct gggagcaatg tgggtgagtc 180
caccagaggc cctgctgtgt gtggccaata aattttagtc ttccccagcc ctcgaggcag 240
tgtgtgtgga tgtatgcgtg tggatattta tatatgtacc ctgcactcat gaatgtatga 300
actggaggaa gttactacag tggaaagggt ctttaataaca aggtctacct agcatgaagt 360
atttaacatt ctcccatccc ttaaaaaata tacattttta taaaatgaaa accataataa 420
atgttttgaa tattaaaaaa aataataacc tacagaggaa aattaatgga gacagctatt 480
tgccttgtag tttttccaca attgttgctg ctagtgtgac acatctctag ttcagctctt 540
gcccacggga cactcatcaa ttaggtttta tttttawttc tttcctctac cccagaaac 600
aagcctgtta atttttttcc ttctcctctg gsgactgtgt gatgaaycct tycttgctgt 660
atcagggtgc ggataractt gtaaggkgt ttgctgcata cagkgtwagc attgtgaccg 720
ccaataaact tcaatggttt ctaaaaaaaaa aaaaaa                                     756

```

&lt;210&gt; 1940

&lt;211&gt; 1884

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1940

```

aggctgatta tttactgtct agaatggatg ttaccagctg catctcttac cgaaattttg 60
caagtgtgat gggagactcc cgtttgttga ataagggtga tgcttatatt caggagcatt 120
tgttaciaat ttctgaagag gaggagtttc ttaagcttcc aaggctaaag ttggaggtaa 180
tgcttgaaga taatgtttgc ttgccagca atggcaaat atatacaaag gtaatcaact 240
gggtgcagcg takcatctgg gagaatggag acagtctggw wgwgtgatg gaagaggttc 300
aaaccttgta ctactcagct gatcacaaag tgcttgatgg gaacctacta gatggacagg 360
ctgagggtgt tggcagtgat gatgaccaca ttcagtttgt gcagaaaaag ccaccacgtg 420
agaatggcca taagcagata agtagcagtt caactggatg tctctcttct ccaaagtcta 480
cagtacaaag ccctaagcat gagtggaaaa tcgttgcttc agaaaagact tcaataataa 540
cttacttgtg cctggctgtg ctggatggta tattctgtgt catttttctt catgggagaa 600
acagcccaca gagctcacca acaagtactc caaaactaag taagagttta agctttgaga 660
tgcaacaaga tgagctaata gaaaagccca tgtctcctat gcagtacgca cgatctgggtc 720

```

1219

```

tgggaacagc agagatgaat ggcaaactca tagctgcagg tggctataac agagaggaat 780
gtcttcgaac agtcgaatgc tataatccac atacagatca ctggtccttt cttgctccca 840
tgagaacacc aagagcccga tttcaaattg ctgtactcat gggccagctc tatgtggtag 900
gtggatcaaa tggccactca gatgacctga gttgtggaga gatgtatgat tcaaacatag 960
atgactggat tcctgttcca gaattgagaa ctaaccgttg taatgcagga gtgtgtgctc 1020
tgaatggaaa gttatacatc gttggtggct ctgatccata tggtcacaaa ggactgaaaa 1080
atttgtatgt atttgatcct gtaacaaagt tgtggacaag ctgtgcccct cttaacattc 1140
ggagacacca gtctgcagtc tgtgagcttg gtggttattt gtacataatc ggaggtgcag 1200
aatcttgga ttgtctgaac acagtagaac gatacaatcc tgaaaataat acctggactt 1260
taattgcacc catgaatgtg gctaggcgag gagctggagt ggctgttctt aatggaaaac 1320
tgtttgtatg tgggtggcttt gatggttctc atgccatcag ttgtgtggaa atgtatgatc 1380
caactagaaa tgaatggaag atgatgggaa atatgacttc accaaggagc aatgctggga 1440
ttgcaactgt agggaaacacc atttatgcag tgggaggatt cgatggcaat gaatttctga 1500
atacggtgga agtctataac cttgagtcaa atgaatggag cccctataca aagattttcc 1560
agttttaaca aatttaagac cctctcaaac taacaggctt agtgatgtaa ttatggttag 1620
yagaggtaca cttgtgaata aagaggggtg gtgggtatag atgttgctaa cagcaacaca 1680
aagcttttgc atattgcata ctattaaaca tgctgtacat actttttggg tttattttgga 1740
aaggaatgca aagatgaagg tctgttttgt gtacttttaa gactttgggt attttacttt 1800
ttggaaaaga ataaaccaag aattgattgg gcacatcaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaagggcgg ccgctcaaga gtat                                     1884

```

&lt;210&gt; 1941

&lt;211&gt; 2731

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1629)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1941

```

aaggcgtctg gagtttaatg ttacttggtg atatgagact tncattcttn caggtggaag 60
atgagctcag ctccccagtg gtggtgttca gatttttcca ggaattacca ggctcagatc 120
cgggtgtttaa agccgtccca gtgcccacaa tgacaccttc aggagtcggc cgggagaggc 180
actcgtgtga cgcgctgaat cgctggctgg gagaacagct gaagcagctg gtgcctgcaa 240
gcggcctcac agtcatggat ctggaagctg agggcacgtg tttgcggttc agccctttga 300
tgaccgcagc agtttttagga actcggggag aggatgtgga tcagctcgta gcctgcatag 360
aaagcaaact gccagtgtctg tgctgtacgc tccagttgcg tgaagagttc aagcaggaag 420
tggaagcaac agcaggtctc ctatatgttg atgaccctaa ctggtctgga ataggggttg 480
tcaggtatga acatgctaata gatgataaga gcagtttgaa atcagatccc gaaggggaaa 540

```

1220

```

acatccatgc tggactcctg aagaagttaa atgaactgga atctgaccta acctttaaaa 600
taggccctga gtataagagc atgaagagct gcctttatgt cggcatggcg agcgacaacg 660
tcgatgctgc tgagctcgtg gagaccattg cggccacagc ccgggagata gaggagaact 720
cgaggcttct ggaaaacatg acagaagtgg ttcggaaagg cattcaggaa gctcaagtgg 780
agctgcagaa ggcaagtga gaacggcttc tgggaagagg ggtgttgagg cagatccctg 840
tagtgggctc cgtgctgaat tggttttctc cgggtccaggc ttacagaag ggaagaactt 900
ttaacttgac agcaggctct ctggagtcca cagaacccat atatgtctac aaagcacaag 960
gtgcaggagt cacgctgcct ccaacgcctt cgggcagtcg caccaagcag aggcttccag 1020
gccagaagcc ttttaaaagg tccttgcgag gttcagatgc tttgagttag accagctcag 1080
tcagtcacat tgaagactta gaaaaggtag agcgcctatc cagtgggccc gagcagatca 1140
ccctcgaggc cagcagcact gagggacacc caggggctcc cagccctcag cacaccgacc 1200
agaccgaggc cttccagaaa ggggtccacc acccagaaga tgaccactca caggtagaag 1260
gaccggagag cttaaagtga gactcattgt gtggtttgag actgtactga gtattgtttc 1320
aggggaagat aagttctatt ggaaatgtga actgtgccac atactaatat aaattactgt 1380
tgtttgtgct tcaactgggat tttggcacia atatgtgcct gaaaggtagg ctttctagga 1440
ggggagtcat cttgtctaac ttcatgtaca tgtagaacca catgtttgct gtcctactac 1500
gacttttccc taagttaacca taaacacatt ttattcacaa aaaacacttc gaatttcaag 1560
tgtctaccag tagcaccctt gctctttcta aacataagcc taagtatatg aggttgcccg 1620
tggcaactnt tttggtaaaa cagcttttca ttagcactct ccaggttctc tgcaaacactt 1680
cacagaggcg agactggctg tatcctttgc tgcgggtctt tagtacgac aagttgcaat 1740
atacagtggg actgctagac ttgaaggaga gcagtgattg tgggattgta aataagagca 1800
tcagaagccc tcccagcta ctgctcttcg tggagactta gtaaggactg tgtctacttg 1860
agctgtggga aggtgctgt ctgggactgt cctctgccac aaggccattt ctcccattat 1920
ataccgtttg taaagagaaa ctgtaaagtc tctcctgac catatatatt taaatactgg 1980
caaagctttt aaaattggca cacaagtaca gactgtgctc atttctgttt agtatctgaa 2040
aacctgatag atgctaccct taagagcttg ctcttcctg tgctacgtag caccacactg 2100
gttaaaatct gaaaacaagt acccctttga cctgtctccc actgaagctt ctactgccct 2160
ggcagctcgc ctgggcccaa ctcagaaaca ggagccagca gagcactctc tcacgctgat 2220
ccagccgggc accctgctta agtcagtaga agctcgctgg cactgcccgt tctactttt 2280
ccgaagtact gcgtcacttt gtcgtaagta atggcccctg tgccttctta atccagcagt 2340
caagcttttg ggagacctga aaatgggaaa attcacactg ggtttctgga ctgtagtatt 2400
ggaagcctta gttatagtat attaaaccta taattatact ctgatttgat gggatttttg 2460
acattttacac ttgtcaaaat gcaggggggt ttttttggtg cagatgatta aacagtcttc 2520
cctattttgt gcaatgaagt atagcagata aaatggggga ggggtaaatt atcaccttca 2580
agaaaattac atgtttttat atatatattg aattgttaaa ttggttttgc tgaaacattt 2640
cacccttgag atattatttg aatgttggtt tcaataaagg ttcttgaaat tgttaaaaaa 2700
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2731

```

&lt;210&gt; 1942

&lt;211&gt; 749

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

1221

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1942

```
ctggagtaag gtgctgcgga cgacgcgncc tgggaggata aggatgaatt tttagatgtg 60
atctactggt tccgacagat cattgctgtg gtcctgggtg tcatttgggg agttttgcca 120
ttacgagggt tcttggaat agcagggtaa gtcttgggta tcttatattt tcatggtatc 180
atttcttttt aaatagaggc tttttttcct gttacaggaa aggccattgc tgctctggna 240
gctgtgtgtg tgtgtratga ctaaagcaaa gaagcagccc tacagtggca ctctgggtc 300
tggtgcacca ctctcagga gcatctcara ttctgcctga tcaatgcagg agtctgtac 360
ctctacttca gcaattacct acagattgat gaggaagawt atggtggcac gtgggagctc 420
acgarggaag ggtttatgac cycttttgcc ttgttcaggt cattggatca tcttttacac 480
tgccatccat tagnactgat ggtgtacagc tccaatgct ccctatccag tccaaaggac 540
cctcttggat tacagcacag gaacttggat cgttggggaa cccagcccct tgggaacttg 600
gaagaccctg gtttccggga ccgcgaatca gtgtgttggg gcatcagtgt tttctgacaa 660
gggttgtgac ctggaaactt tttaaaaacc acccacctt gggggaagca tttctggaat 720
tatccatcac caaccattct tcttgggat 749
```

&lt;210&gt; 1943

&lt;211&gt; 1222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1183)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1186)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1217)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1219)

&lt;223&gt; n equals a,t,g, or c

1222

&lt;400&gt; 1943

```
ggcccccttt ggctctgtag agccggcgga accgggtagc ttggccaggt tgtgaggaac 60
cgcagcgcgc cgcaggaccg ggccgctgag cctgcagccg ccccgcgccg tgacctgcga 120
ccctagaccc cgactccctt tggtcagcc cgcgcgcccc agggccggcc cgggcccgc 180
gacgggagga tgagcggcgg gcggcggaag gaggagccgc ctcagccgca gctggccaac 240
ggggccctca aagtctccgt ctggagtaag gtgctgcgga gcgacgcggc ctgggaggat 300
aaggatgaat ttttagatgt gatctactgg ttccgacaga tcattgctgt ggtcctgggt 360
gtcatttggg gagttttgcc attacgaggg ttcttgggaa tagcaggatt ctgcctgata 420
aatgcaggag tcctgtacct ctacttcagc aattacctac agattgatga ggaagaatat 480
ggtggcacgt gggagctcac gaaggaaggg tttatgacct cttttgcctt gttcatggtc 540
atttggatca tcttttacac tgccatccat tatgactgat ggtgtacagc tcccaagtgc 600
tcctatcca gtccaaagga ccctcttgat tacagcacag gaacttgatc gttggggaac 660
cccagccctt tggaacttgg aagaccctg tttcctggac cgcgaatcag tgtgttgggc 720
atcagtgttt tctgcaaggg ttgtgacctg aaacttttta aaaaccaccc accttgggg 780
aagcatttct gaatttatcc atcaccaacc atttcttctt ggataccatc aagtaacagc 840
tattatttgc caagtggagc tgtcatttaa tttgatgcac ctctggattc agatgaaaca 900
ttaaattgtc ttctcgtatt ctccatcggg ttagagttt ttaaactatc aatggcattt 960
caagtcttct gaaacagcat ggctgtatgt gcgtggctca tagcacagta catgcagcat 1020
ctaataagag tttcctattgt agaattgttt cacatacttg aataaatcaa atctttaatt 1080
gagaaaaaaa aaaaaaaaaa rccggccgct ctagagggat cccaagctta cgtacgcgtg 1140
ccatgccaac ggcataagct tcttttatag ggggcaccta aantcnaatt cactgggccg 1200
cgtttttaca acggcnngna ct 1222
```

&lt;210&gt; 1944

&lt;211&gt; 2786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1944

```
ggtggtcggc ggcggcggcg gcggcggcgg cggcacagag ccggtggtgg agccgccgag 60
gagggtcacg cagcacaatg ccagctctgc ccctggacca actccagatc acccacaagg 120
accgaagac aggaaagctg aggacttcac cagcgtgca ccccgagcag aaggcagacc 180
ggtattttgt gttatacaaa ccgcccccta aagacaacat tcccgccta gtggaggagt 240
acctggaacg cgccaccttc gtagccaatg acctcgactg gtccttgcc ttgcctcacg 300
ataaattctg gtgccaggtg atctttgacg agactctaca gaagtgcctg gactcctacc 360
tgcgctatgt ccccgcaaa ttcgacgagg ggtggtcctc agccctgag gttgttgaca 420
tgcagaagcg cctccatcga agtgttttc tcaccttct cgcagtgtcc actcacaagg 480
aatccaaaga tcaacttcatt tccccttctg cgtttgaga aatcctctac aataacttcc 540
tctttgacat tccaaagatc ctggacctct gcgtgctctt tggaaaaggc aactcaccac 600
tgctccagaa gatgatagga aacatcttta cacagcagcc aagtactac agtgacctgg 660
atgaaaccct gcctaccatc cttcaggctc tcagcaatat cctccagcac tgtggtttgc 720
aaggggacgg ggccaatacc acaccccaga agcttgagga gaggggcca ttgaccccca 780
gtgacatgcc tctcctggaa ttaaaggaca ttgttctcta ctttgtgat acctgcacca 840
cactttgggc ctttctggat atcttcctt tggcttgcca gaccttcag aagcacgact 900
tttgttacag actagcttcc ttctacgaag cagcaattcc cgaaatggag tctgcaatta 960
agaagaggag gcttgaagat agcaagcttc ttggtgacct gtggcagagg ctctccatt 1020
ccaggaagaa gctaattggag attttccaca tcactctgaa ccagatctgc ctcttccca 1080
tcctagaaag cagctgtgac aacattcagg gcttcacga agagtctctt cagatcttca 1140
gtccttgct gcaggagaag aggttctcc gggactatga tgcactctc cccgtggccg 1200
aagacatcag cttgctgcag caggcctcat cagtcttggc cgagacgcgg actgcctaca 1260
```



## 1223

```

tcctccaggc agtcgagagt gcatgggaag ggggtggacag acggaaagcc acagatgcta 1320
aagacccatc ggtgattgag gagcctaata gggagcctaa cggggtcacg gtgacagcag 1380
aggcagtcag tcaagcatca tcacatccgg agaactcggg ggaagaggag tgcagggag 1440
cagccgcggc tgtggggccct gccatgtgtg gggtggaact ggactctctc atctcccaag 1500
tgaaggacct gctgccagac cttggtgagg gcttcacccct ggccctgacct gagtactacc 1560
actacgaccc agagcagggtg atcaacaata tcctggagga gcggctggcc cccaccctca 1620
gccagctgga ccgcaaccta gacagagaaa tgaaccaga ccctacaccc ctgctgacgt 1680
ctcgccacaa cgtcttccag aatgacgagt ttgatgtgtt cagcaggagc tcagtagacc 1740
tgagccgggt gcacaagggc aagagcacca ggaaggagga aaacacgcgg agtttgctga 1800
acgacaagcg tgcagtggcg gcacagcggc agcgctacga gcagtacagc gtggtggtgg 1860
aggaggtgcc actgcagcca ggcgagagcc tgccctacca cagtgtctac tacgaggatg 1920
agtacgatga cacatacgat ggcaaccagg tggcgcccaa tgatgcagac tctgatgacg 1980
agctcatcag ccgcaggcca ttcaccatcc ctcagggtgct gagaaccaa gtgcctagag 2040
aagggcagga ggaggatgac gacgatgagg aagacgatgc tgacgaggag gctcccaagc 2100
ccgaccattt tgttcaggac cctgcagtgc tgagagagaa ggcagaagcc aggcgcatgg 2160
cctttctcgc caagaaaggg taccggcatg acagctcaac agcagtggcc ggcagccccc 2220
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aaaaaaaaaa aaaaaaaaaa aaaaaa 2786

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&lt;210&gt; 1945

&lt;211&gt; 1483

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1478)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1945

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aattcggcac gagccgggct ctaccagag caagaccctg atggctgcgg tgtttctggt 60
aacgctttat gaatactcgc cgcttttcta catecggtg gtctttacct gcttcacgt 120
gaccaccggc ctggtattgg gatggtttgg ttgggatgtt ccagtaattc tgagaaattc 180
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aacagattgc cttgaagata gcctccttac atgctactgg ggggtgcagt ttcaaaaatt 360
atatgaagct ctgcagaagc atgtttattg cttcagaata agcactcccc aagcattaga 420
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1224

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agaagaaata tattgccagt taccaagaga tactaaaatt gaagactttg gtacagtacc 540
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ttatgatatt atttccatgg tgtcagtgat tcatattcct gataggactt ataaactatc 660
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ctaatgttt tacctttgat gttatcgga gtgcaattaa gaaaaaactt aattctactt 1440
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&lt;210&gt; 1946

&lt;211&gt; 1587

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1946

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aggaaatctc ggggtgcctt tactgtaaca agttatgtc ggctctcttt tattttacaa 60
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tgcctatgtc tgatttctct tctttctttt ctttctttct ttctttcttt ctttctttct 180
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aatgtcatca acaaataatc aaaatatatt ttacatttgc tcttctaaaa tcagagccta 660
ttttaaatat aaaagaaagt agatgtgata ataataataa ctacagtcac attaatgtga 720
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aaaaaaaaaa aaaaaaaaaa aaaaaaa 1587

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1225

<210> 1947  
<211> 2007  
<212> DNA  
<213> Homo sapiens

<400> 1947  
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gtatatgaca ttaagaagca agcgtggttt acttacaatg acctggagggt atcaaaaatc 180  
caagaggctg ccgtgcagag tgatcgagat cggagtggtt acatcttctt ttatatgcac 240  
aaggagatct ttgatgagct gctggaaaaca gaaaagaact ctcagtcact tagcacggaa 300  
gtggggaaga ctaccctgca gscctcgtga ggaacaaact cctgggttgg cagcatgcac 360  
tgcatatctt ttactgctgc ccacctcacc tttcctctgc tgaaggagaa tttggaattc 420  
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cgtagaatgc tccatgctat tttatggaaa ctttgggtct acatccgtag ctgattatcc 540  
tctttttctc ctatgagtgg cacttctttt gtcttaggaa tacatgttgt aaatatatat 600  
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aacattttaa aaccaccatc cacatgagag aatcacttga acccaggagg cagaggttgc 1920  
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ttaaaaaaaaa aaaaaaaaaa actcgag 2007

<210> 1948  
<211> 1250  
<212> DNA  
<213> Homo sapiens

<400> 1948  
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gcacacccag aggtcccctt ctgcgccgcg cctgcaactg cgagggtagc cgggggccgc 120  
ttggagtgcg ccggacctga gaggtgctg cactgggcct cagccagccc tccggatgct 180

1226

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ggtgctgcc tccccctgcc ctcagcctct ggcattttcc tccgttgaga ccatggaggg 240
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aaacaataaa cagctttccc actctgaaaa aaaaaaaaaa aaaaaaaaaa 1250

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&lt;210&gt; 1949

&lt;211&gt; 2154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (635)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2152)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1949

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gtttatttat ttatttattt tagaaataag agcctgggtg acaagagtga gactctgtct 60
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gtgattgttt gaaagggaga ggaagaaaga gagangggag ggaggggaaga atggagggag 660

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## 1227

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gcaggggaagg agacagagag agtagaatcc agccaccgga aaaatccaga atagctggct 720
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gaccaaggaa actacaaaac tgcagggkat tgaaggggccg ggcacagtgg ctcacgctg 840
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&lt;210&gt; 1950

&lt;211&gt; 652

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (502)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (525)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

1228

<220>  
 <221> misc feature  
 <222> (599)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (630)  
 <223> n equals a,t,g, or c

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 agtcagacag ggagcctggg gaggggccat ggtgccaatg cacttactgg ggagactgga 180  
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 cccccctaca gcaactggtg gngatacccc cagcacctcg anganggaac aacctagccc 540  
 attccagaag ggtccagggn agaagccaaa actgggaaca gaggccgaat gggccttana 600  
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<210> 1951  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (448)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (463)  
 <223> n equals a,t,g, or c

<400> 1951  
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 atgctgtggt gacagctgct gccaggagaa cgagctcttc cctggccccg tgaggatctt 240  
 cgtcatcatc ttcttggtca tctgtccgt cttttgcatc tgtggcctgg ctaagtgctt 300  
 ctgtcgcaac tgcagagagc cggagccaga caccacagt gattgccggg ggccccctgga 360  
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 acagagccaa cccctcccta cagttcangc ctgaagaata tancgggga 469

<210> 1952  
 <211> 755  
 <212> DNA

1229

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (648)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1952

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ggtggttgca gagtttgag ccattttggg tagctgatct tgcatttnc acgmctctwc 660
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&lt;210&gt; 1953

&lt;211&gt; 1022

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1953

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cttgggtctcc ggggtcccga gtgggtgacg cggcccgcga cagggtgcttc ctgaagggtga 180
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&lt;210&gt; 1954

&lt;211&gt; 1776

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1230

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<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

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<212> DNA



## 1231

&lt;213&gt; Homo sapiens

&lt;400&gt; 1955

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&lt;210&gt; 1956

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1956

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aacaattacc tataaagatt tgtaaaagta aaaaaaaaaa 279

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&lt;210&gt; 1957

&lt;211&gt; 923

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1957

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1232

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&lt;210&gt; 1958

&lt;211&gt; 1757

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1958

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&lt;210&gt; 1959

&lt;211&gt; 2856

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1959

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1233

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&lt;210&gt; 1960

&lt;211&gt; 1720

&lt;212&gt; DNA

1234

&lt;213&gt; Homo sapiens

&lt;400&gt; 1960

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&lt;210&gt; 1961

&lt;211&gt; 2854

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1961

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## 1235

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&lt;210&gt; 1962

&lt;211&gt; 4087

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1962

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gcgggaggat gggccgccc taggctcgca ctccggacgc gcctcgcagt gcgcagggtg 60
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caactttcga atagaaaaga aaattggctc cggacaattt agtgaagtgt atagagcagc 420
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1236

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tgccaaagca cgtgctgatt gcatcaaaga aatagatctt cttagcaaac tcaaccatcc 540
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1237

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tgaaagctat atctattcta aaccttattt agacattggt accagttacc caggtgaaaa 3600
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aaaaaaaaa 4087

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&lt;210&gt; 1963

&lt;211&gt; 801

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (660)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (744)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (762)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (773)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (791)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (801)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1963

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cgggggtcat cttcttctcg gccctgctgc tgtgcattgc gcttctktcg tctactcca 60
tccacctcct gctgacctgt gctggattg cagggactgg ttcttgaagg gaaacctcct 120
catcatcctc gtcagtgtgt taatcatcct gccctcgcc ctcatgaaac acttgggcta 180
cctgggggtac accagtggtc tctctctgac ctgcatgctg ttttctcttg tttcgggtcat 240

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## 1238

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ctacaagaag ttccaacttg gctgtgctat aggccacaat gaaacagcaa tggagagtga 300
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agttgactca cagatgtect acacagtgcc cattatggct tttgcttttg tctgccaccc 420
tgaggtgctg cccatctata cggagctctg ccgttccacg acctctacac ctcaggccct 480
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acatgtacag ccagaaggac ccgctcatcc tctgtgtgcg cctggccgtg ctgcttcgcn 660
ggtgacccct cactgtgccg gtcgtgctgg ttcctatccg ccgggccctg gaagcaactg 720
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ccttgctttg ntttggttca n 801

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&lt;210&gt; 1964

&lt;211&gt; 1626

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1607)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1964

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cggacgcgtg ggcggacgcg tgggaaaagg tgaacaaatc tttccttcag gtagatgctg 60
gtagtctttt ggagcttgta gtaggggtccc atgagcactg cccacagctg ctttctgtac 120
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ctgtgcccag tagttctctg ggggtggcct gaggtgact tgtctgtagt cactgagttc 240
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ggaagctgga gtggccactg acggaagtgt cagaagggtg ttttgaaacc gagggcccg 480
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gaactt 1626

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1239

<210> 1965  
<211> 590  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (557)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (583)  
<223> n equals a,t,g, or c

<400> 1965  
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ggtgggcttg cgagccgacg cggcggcgga ggaggctgtg aggagtgtgt ggaacaggac 180  
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cctcatcggg gcggtgattg ccggacgaga tttctataag atcttggggg tgcctcgaag 300  
tgctctata aaggatatta aaaaggccta taggaaacta gccctgcagc ttcateccga 360  
ccggaaccct gatgatccac aagcccagga gaaattccag gatctgggtg ctgcttatga 420  
ggttcttgtc agatantgag aaacggaaac agtacgatac ttatggtgaa naaggattaa 480  
aagatggtca tcagagctcc atggagacat tttttacact tctttgggga tttgggttat 540  
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<210> 1966  
<211> 1970  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

1240

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1964)  
<223> n equals a,t,g, or c

<400> 1966  
nggtgaaggg caatcagctg ttgccgtctc actggtgaaa agaaaaacca ccctggcgcc 60  
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ggtttcccga ctggaaagcg ggcagtgagc gcaacgcaat taatgtgagt tagctcactc 180  
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cacgcgtccg actagttcta gatcgcgac tagaactagt cccacgcgt ccgcttgaag 420  
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gatttttaaa atataaatat tcctaccaa aaaaaaaaaa aaanaaaaaa 1970

<210> 1967  
<211> 1222  
<212> DNA  
<213> Homo sapiens

1241

<220>  
<221> misc feature  
<222> (1198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1219)  
<223> n equals a,t,g, or c

<400> 1967  
gcctgggttc ccascggctt cscagaggt ggaagaaacc cgaracgttc cgaagtcaac 60  
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tggggctctc cagccctttg ggacttccaa tgggatctta gaagcagccg aagcagcgtg 180  
agggcggcas ccagggccag ccacgatttg aacgctctgc cttgcagctc ttctggaccg 240  
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<210> 1968  
<211> 1438  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)

1242

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1351)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1389)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1424)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1968

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tgctcaacat tactgatcat cagagaaatg caaatcaaaa ctccagtgag atatcatctc 120
ccttttagtta aaatggctta tatccaaaag gcagaaaata acaaatgcaa ggatgtggag 180
gaaagggaac ccttggtatac tgttggtgta catagtgggt gaaccactat ggagaacaat 240
ttggaagtct ctcaaaaaaa caaaaaaatg agctaccata tgacccagca atcccactgt 300
tgggtatata cccaaaagga aggaaatcag tatattgaag agataacctac actcccatgt 360
ttgttgcagc actgttcaca atagctaaga ttgaaggca acctaaagtgt ccatcaacag 420
atgaatggat acagaaaaatg tgggtacgtat acacaatggg tactagtcag cctgggtgac 480
agagtgcagc tgtctcaaaa aaaaagaaaac aaagaaagat aaataaagaa aaagacattg 540
atgaacagta ggtaatcacc tgaagggtaca aaactcactc gtaatagtaa gtatgcaggg 600
aaaaaaagat ttttgtaaca ttgtaactat gtgtgtaatc tactcttata ctaagtagaa 660
atctagactt agaattctaat gctgccactg atctgcacagg aggcggaact cagacagtaa 720
tgttcccttg cctgtactac acctcctgct gtgtggccca gtttctaaca ggccacagac 780
tggtactggt ttgcggcctg ggggttgggg acccctgggt tatcagatag aattgcaagc 840
ctcatggtaa cctcaaacca aaaaacattc aatgaatata caacaaataa aaagcaagaa 900
agtaaattat atcaccagag. aaaatcagct tcacttaagg aagacaggaa ggaaagaagg 960
aaggaagaga agaccacaaa acaaccagaa aacaagtaac aatatggcag gaataagtct 1020
ttatttatta gtaataacaa tggactaaac tctccaatca aaagatggag tggctaaata 1080
gataaaaaaa aacaagaccc attgattygy mgcctacaag aactacattt cacctataaa 1140
gacacmcata gactgaaaat aaaggggtat aaaagatact ccatgccaac agaaaccaa 1200
aaagagcagg agttgctata cttacatcag acaaaacaga ttttaagaca aaaatctata 1260
agaagagaca aagaagggtca ctatataatg ataaggggtc aatgcagcag aggattayaa 1320
tttaatttat gaccacatga gactgattta ngaatatata gagtagaagg taagtatcat 1380
```

## 1243

atctggatna tccatgagat gcaattcgcg aatacaagac tngnttttgt gctagata 1438

<210> 1969

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<400> 1969

```
agctcgtgct aaacctcttt tctttataaa ttaccacgtg atgtgggttg gctgtgtccc 60
cacccaaatc tcatcttgaa ttccctacgtg ttgtgggagg gaccacgtgg taggtaattg 120
aatcatggcg gcaggctctt cccttgctat tctcgtgac atgaataagt ctcatgagat 180
ctgatgattt taaataactgg agtttccccct gcacaagctc tctctttgcc tgctgccagc 240
catgtaagac atgacttgct cctycttgcc ttccatcatg attgtgaggc cttcccagcc 300
acgtggaact gtaagtccat taaacctctt tttttttata aatggccaag tctcaaatat 360
gnctttatca acagcgtgaa atggactagt accgtaaatt ggtaccaata gaatggggca 420
ctgcttaaaa gatccccgaaa atgtgaaagc gactttggaa ctgggtaata ngcaaaaggt 480
tgcantgaac ttaaaatcat tgccactgna cttcaacctg ggc 523
```

<210> 1970

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

1244

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (774)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1970

```

nnnnaytagt tttgcanagc tatttaggtg acactataga aggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cggaaggctc cagaggctgt gggaagcagc 120
acatcagcga cagctcctgg ctgctggact ccgcagggag ggaaggaaga ttggtcgcaa 180
tgtcccagca gaagtgcac gtgatctttg ccctgggtgtg ctgctttgcc attctggttg 240
cactgatctt ttcagccgtg gacatcatgg gagaggatga ggatggactc tcagaaaaaa 300
attgccaaaa taaatgtcga attgccctgg tggaaaatat tcctgaaggc cttaactatt 360
cagaaaaatgc accatttcac ttatcacttt tccaaggctg gatgaattta ctcaacatgg 420
ccaaaaagtc tgttgacata gtgtcttccc attgggatct caaccacact catccatcag 480
catgtcaggg tcaacgtctt tttgaaaagt tgctccagct gacttcgcaa aatattgaaa 540
tcaagctagt gagtgatgta acagctgatt caaagggtatt agaagccttg aaattaaagg 600
gagccgaggt gacgtacatg aacatgaccg cttacaacaa gggccggctg cagtcctcct 660
tctggatcgt ggacaaacag cacgtgtata tcggcagtg cggtttggac tggcaatccc 720
tgggacaggt acatatactt ctatatagct gtaaatagat gatatggttt gtgnt 775

```

&lt;210&gt; 1971

&lt;211&gt; 1134

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

1245

<220>  
 <221> misc feature  
 <222> (114)  
 <223> n equals a,t,g, or c

<400> 1971  
 gaacaagctg ttactaatgt actggagttt ctgtgcaaac tgtctaccat aaaccatgaa 60  
 aggattcaaaa gttcatagtt ccttcctttgt tccttttgta atnactgact tcnnactagt 120  
 gggagggtgcc tcccaagttt gctaattgcat tctttttgga taaggatgac gcacagattg 180  
 tcctaataag gacttagatt gagaaagacc gccccctctg agaagagggg acaagtcaga 240  
 gagaggggcg gcagtttctt ttttaactag ggatgacaca agcataagtc atttccttat 300  
 taattgggtc aaaccagttc ttacaggaac tagtgggtgat aaatgtggga cttctgagaa 360  
 gtcattcatt ttattccttg tgccatacca gagtacagta tcagctgagc tgaccttact 420  
 ctgaggacta actccttttg tggaagcggg ttctgattta cagctccttg tttctcccag 480  
 acatgttggg gggagagatt ttgggtttta aggggttggt agatggagta aattttcttt 540  
 tttttttttt ttttttttaa ctaaaaaggg gtcacagaat ttcagcagtt ctctgatttt 600  
 tatattttat tcctcttcct atccaatccc tgccctttga gtccagggtg taagtacatt 660  
 ttctttaacg ttttctctgc ttttcttccc aaatgtgtct ttttctttgg gctactgtac 720  
 cctgcttcca gtgctgtccc cggcataggt ccattctctgc agaagccatt tcaggagtac 780  
 ctggaggctc aacggcagaa gcttcaccac aaaagcgaaa tgggcacacc acaggggagaa 840  
 aactggttgt cctggatggt tgaaaagttg gtcgttggtc tgggtgtgta cttcatccta 900  
 tctatcatta actccatggc acaaagttat gccaaacgaa tccagcagcg gttgaactca 960  
 gaggagaaaa ctataataagt agagaaagtt ttaaactgca gaaattggag tggatgggtt 1020  
 ctgccttaaa ttgggaggac tccaagccgg gaaggaaaaat tcccttttcc aacctgtatc 1080  
 aatttttaca acttttttcc tgaaagcagt ttagtccata ctttgcaactg acat 1134

<210> 1972  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (414)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (447)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (450)  
 <223> n equals a,t,g, or c

1246

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1972

```
gcggnttcgt gggctgctct gcactctcag gtattccctg ctcttactcc aaaaagatgg 60
accaggtcc gaaggggcac tgccactgtg gggggcatgg ccatactcca ggtcactgcg 120
ggccaccccc tggccatggc ccagggccct gcggggccacc cccccaccat ggtccagggc 180
cctgcggggc accccctggc catggcccag ggccctgcgg gccaccccc caccatggtc 240
cagggccctg cgggcctccc cctggccatg gcccaggtca cccacccctt ggtccacatc 300
actgaggaag tagaagaaaa caggacacaa gatggcaagc ctgagagaat tgcccagctg 360
acctggaatg aggcctaaac cacaatcttc tcttcctaataaacagcctc ytanaggcca 420
cattctattc tttaaaaaaaa aaaaaanaa n 451
```

&lt;210&gt; 1973

&lt;211&gt; 1385

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1303)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1307)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1382)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1385)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1973

```
aagagaaaga tgctactgtc tctaattctcc ctgtcatttt tatttccagc aggcgcgggg 60
cgaaggagct gctagaacaa tgctgaggcg ggtgagggtga ggagcagccc ctgcgggcag 120
ccccgacaga gtgtctggaa cagggtgattg gaggagccgg agaccaggc acctgggcat 180
ccttcccctc gcctctgcc aagccccgcgc ccctaaaagg tgggaaaacc atggcgacca 240
```



1247

```

atttcagtga catcgtcaag caaggctacg tgaagatgaa gagcaggaag ctcgggatct 300
accggagggtg ctggctgggtg ttccggaaat cctccagcaa ggggccccag cggctggaga 360
agtatccaga tgagaagtcg gtgtgcctcc ggggctgccc caagggtgact gagatcagca 420
acgtcaagtg tgttacgcgg ctccccaagg agaccaagcg gcaggcgggtg gccatcatat 480
tactgatga ctcggcacgt accttcacct gcgactcaga gctagaggca gaggagtggg 540
acaagacact atctgtggag tgtctggggg cccgcctcaa cgacatcagt ctgggagAAC 600
ctgacctcct ggccccagggt gtgcagtgtg aacagacaga tcgcttcaat gtcttcctgc 660
tgccctgccc caacctggac gtgtatggcg agtgcaagct gcagatcacc cagcagaaca 720
tctacctctg ggacatccac aacccccgtg tgaagctcgt ctcgtggsec ctctgctyam 780
tgcgccgcta tggccgggat gccacacgct ttaccttcca ggctggccgg atgtgtgatg 840
ctgggggaagg actctatacc ttccagacac aagaggggga gcagatttac cagcgcgtcc 900
acagtgccac cctggccatc gcagagcagc acaagcgggt cctgctggaa atggagaaga 960
cgtgaggctg ctgaacaagg gcacggaaca ttactcgtat ccctgcacac ccacgacat 1020
gctgcsgcgc agtgccactt ggcaccacat cactgggtcc cagaacatcg ccgaagcctc 1080
cagctatgct ggtgagtcgc ttccatgccc cacaccacc tgccaggagg ctttgtggag 1140
gatgaggcct gttgggcagg ggtcttttga cctagctctg agttctgagc ctgcttctgt 1200
gcccacaggt gacgggtatg gggcaagccc aggccagctc ggaaacagac ctctcaacag 1260
attcatcctg ctaaagccaa agcccagcca gggggacaag cantgangcc aagaccccat 1320
cccagtgaca cagtgtggc gagcaccgat gactggtggn ggctgctgct tgcgggctgg 1380
cntcn

```

&lt;210&gt; 1974

&lt;211&gt; 748

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1974

```

tacgcnccca ggccccggtc cggaattccc gggctgaccc acgcgtccgc tttAACcaga 60
cagctcagac ctgtatggag gctgccagtg acagggttagg tttagggcag agaagaagca 120
agaccatggt ggggaagatg tggcctgtgt tgtggacact ctgtgcagtc agggtgaccg 180
tcgatgccat ctctgtggaa actccgcagg acgttcttcg ggcttcgcag ggaaagagtg 240
tcacctgccc ctgcacctac cacacttcca cctccagtcg agagggaact attcaatggg 300
ataagctcct cctcactcat acggaaaggg tggatcatctg gccgttttca acaaaaaact 360
acatccatgg tgagctttat aagaatcgcg tcagcatatc caacaatgct gagcagtccg 420
atgcctcatc accattgatc agctgaccat ggctgacaac ggcacctacg agtggtctgt 480
ctcgtgatg tcagacctgg agggcaacac caagtcacgt gtccgcctgt tggctcctgt 540
gccacctccc aaaccagaat gcggcatcga gggagagacc ataattggga acaacatcca 600
gctgacctgc caatcaaagg agggctcacc aacccctcca gtacagctgg aaagargtta 660
caacatcctg aatcargagc agccctgggc ccascacact caggttcaac ctgttctccc 720
ttaaaaaata tctcccacag aacacatc

```

748

&lt;210&gt; 1975

&lt;211&gt; 771

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1248

&lt;400&gt; 1975

```
ggccacgagg tacgtcccgg cgtcccgctt ggcccaagat ggcggcctcc gtgtgcagcg 60
ggttgctggg gccacgggtg ctgtcctgga gccgagagct gccttgcgct tggcgcgccc 120
tgcacacctc cccggtctgc gccaaagaacc gggcgggccc agtacgcgta agcaaggggg 180
acaagccggg gacctacgag gaggcacacg cgccgcacta catcgccac cgtaaaggct 240
ggctgtcgct gcacacaggt aacctggatg gagaggacca tgccgcagag cgaacgggtg 300
aggatgtttt ccttcgcaag ttcattgtgg gtaccttccc aggctgcctg gctgaccagc 360
tggtttttaa gcgcccgggt aaccagttag agatctgtgc cgtggtcctg aggcagttgt 420
ctccacacaa gtactacttc ctctgtgggt acagtgaac tttgctgtcc tacttttaca 480
aatgtcctgt gcgactccac ctccaaactg tgccctcaaa ggttgtgtat aagtacctct 540
agaacaatcc ctttttttcc atcaagctgt agcctgcaga gaatggaaac gtgggaaagg 600
aatgggtatg gggggaaatg catccctca gaggactgag gcatagtctc tcactctgcta 660
ttgaataaag accttctatc ttgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg g 771
```

&lt;210&gt; 1976

&lt;211&gt; 1712

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1688)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1692)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1697)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1976

```
ccgcgcgttg gccgattcat taatcagctg gcacgacagg ttccccgact ggaaagcggg 60
cagtgagcgc aacgcaatta atgtgagtta gctcactcat taggcacccc aggcctttaca 120
ctttatgctt ccggctcgta tgttgtgtgg aattgtgagc ggataacaat ttcacacagg 180
aaacagctat gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctggt 240
acgcctgcag gtaccgggtc ggaattcccg ggtcgaccca cgcgcccggt ccctaggaga 300
taagagtatc ttgcacagca ggtgcagggt tcccagcagc tcaggcaaga gtccgatgtt 360
tgtgccatct gatcctgatg tctggagaga tagccatgtg tgagcctgaa tttggcaatg 420
acaaggccag ggagccgagc gtgggtggca ggtggcgagt gtccctggta gaacggtttg 480
tgcagccatg tctggtcgaa ctgctgggct ctgctctctt catcttcacg ggggtgcctgt 540
cgggtcattga gaatgggacg gacactgggc tgctgcagcc ggccctggcc cacgggctgg 600
ctttggggct cgtgattgcc acgctgggga atatcagtgg tggacacttc aacctgcgg 660
tgtccctggc agccatgctg atcggaggcc tcaacctggg gatgctcctc ccgtactggg 720
tctcacagct gtcggggggg atgctcgggg ctgccttggc caaggcgggt agtcctgagg 780
agaggttctg gaatgcatct gggggggcct ttgtgacagt ccaggagcag gggcaggtgg 840
caggggcggt ggtggcagag atcatcctga cgacgctgct ggccctgggt gtatgcatgg 900
```

1249

```

gtgccatcaa tgagaagaca aagggccctc tggccccgtt ctccatcggc ttgcccgtca 960
ccgtggatat cctggctggg ggccctgtgt ctggaggtg catgaatccc gcccggtgctt 1020
ttggacctgc ggtggtggcc aaccactgga acttccactg gatctactgg ctgggcccac 1080
tcctggctgg cctgcttggt ggactgctca ttaggtgctt cattggagat gggaagacct 1140
gcctcatcct gaaggctcag tgaagcagag ctctggtggat tcctgctgct ccaggtgtcc 1200
tcagctcacc tgtcccagac tgaggacagg ggagttcctg catttcctgc cagggcagag 1260
gcccagagga gcgacccccct gcttccactg cttggggcctg ctttctcaga tagactgact 1320
gctgaggagg ctctaggttc ttggaattcc tttgtgctca tcagagacct cagcctgggg 1380
aacacgctgc ccgcaactgcc cagagagcag tgcaaacc acaacacgag cgtgtttctt 1440
gagaggaatg tccccgagtt ggacaaggag gctgtttctg cacatcagct catttcccgc 1500
accccatattc ttktctgatt gctttgttgg gggcctggcc acttccttgc ttctcaagct 1560
gacaattctg cactttgcaa taaatagtcc agtgtttcct tccaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaaaang gnggccnttt taaaggatcc aa 1712

```

&lt;210&gt; 1977

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1977

```

atggtgtgac tcggccgacg cgagcgccgc gcttcgcttc agctgctagc tggcccaagg 60
gaggcgaccg cggagggtgg cgaggggagg ccaggacctg cagccccggg gccggggccg 120
tccggaccgc cagggaggggc aggtcagtgg gcagatcgcg tccgcgggat tcaatctctg 180
cccgtcttga taacagtcct tttccctggc gctcacttcg tgccctggcag ccggctgggc 240
gcctcaagac cgttgtctct tcgacgcctt ctttggactt ggcgaccatt tcagagatgt 300
cttccagaag taccaaaagat ttaattaaaa gtaagtgggg atcgaagcct agtaactcca 360
aatccgaaac tacattagaa aaattaaagg gagaaattgc acacttaaag acatcagtgg 420
atgaaatcac aagtgggaaa ggaaagctga ctgataaaga gagacagaga tttttnngaga 480
aaattcgagt ccttgagg

```

&lt;210&gt; 1978

&lt;211&gt; 4485

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1978

```

gtaacttctc gggaagatga ggagtttgg catctgtggc cgagttgctg ttgccgggtg 60
atagttggag cggagactta gcataatggc agaacctgtt tctccactga agcactttgt 120
gctggctaag aaggcgatta ctgcaatctt tgaccagtta ctggagtttg ttactgaagg 180
atcacatttt gttgaagcaa catataagaa tccggaactt gatcgaatag ccactgaaga 240
tgatctggta gaaatgcaag gatataaaga caagctttcc atcattggtg aggtgctatc 300
tcggagacac atgaagggtg catttttttg caggacaagc agtgggaaga gctctgttat 360
caatgcaatg ttgtgggata aagttctccc tagtgggatt ggccatataa ccaattgctt 420
cctaagtgtt gaaggaactg atggagataa agcctatctt atgacagaag gatcagatga 480
aaaaagagt gtgaagacag ttaatcaact ggcccatgcc cttcacatgg acaaagattt 540

```

1250

gaaagctggc tgtcttgtac gtgtgttttg ccaaaagcaa aatgtgccct cttgagagat 600  
gacctggtgt tagtagacag tccaggcaca gatgtcacta cagagctgga tagctggatt 660  
gataagtttt gcctagatgc tgatgtcttt gttttggtcg caaactctga atcaacacta 720  
atgaatacgg aaaaacactt ttttcacaag gtgaatgagc ggctttccaa gcctaataatt 780  
ttcattctca ataatcggtg ggatgcctct gcatcagagc cagaatatat ggaagacgta 840  
cgcagacagc acatggaaag atgcctgcat ttcttggtgg aggagctcaa agttgtaaat 900  
gctttagaag cacrgaatcg tatcttcttt gtttcagcaa aggaagttct tagtgctaga 960  
aagcaaaaag cacaggggat gccagaaagt ggtgtggcac ttgctgaagg atttcatgca 1020  
agattacagg aatttcagaa ttttgaacaa atctttgagg taggaatttt gtgattgtat 1080  
tgccataatac aaaactcttt ctttggttg agaaagcata atcttctatt tttatccttt 1140  
gtctttgtca ataacttttg ctgttattta gtttagttac tgacacagcc agtaaaatgt 1200  
ggaaagtga gaaaaggagc ccctgcaaaa tgatttgtaa gaattgagaa ttaaagattg 1260  
taatttattc ctattcttta ttttatgta tttatataa ataagaaact gtgtttcaat 1320  
attgctgtgt tgtgcaatga atgaaattcc ctgtattcaa taatttgaa caagagtaaa 1380  
caagcgtaat tgctgttgga atggataata gagcaaagta agcattatcc ttttttactt 1440  
tgtgccgcat gactaataga agtatacaaa acatgattaa tgccatttga caaaatttta 1500  
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ttattccaaa actgggtattt gttacttctt aagtcagttt tggtaatttc tgatttctta 3120  
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cctcagcttc cctagtagct gggactacag gggcacacca ctacatccg ctaatttttg 3540  
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1251

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catgatccac cgccttggc ctcccaaagt gctgggacta caggcgtgag ccaccgtgcc 3660
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```

&lt;210&gt; 1979

&lt;211&gt; 2486

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2436)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2465)

&lt;223&gt; n equals a,t,g, or c

1252

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2470)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1979

```
ngnacgttna tcttccaagg ncccaactata gaaggtacgc ctgcaggtac cgggtccggaa 60
ttccccggtcg acccacgcgt ccgcggacgc gtgggcggac gcgtgggcgc agccccggag 120
ccccggccag ggtccacctg tccccgcagc gccggctcgc gccctcctgc cgcagccacc 180
gagccgcctg ctagcgcccc gacctcgcca ccatgagagc cctgctggcg cgcctgcttc 240
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actgtgactg tctaaatgga ggaacatgtg tgtccaacaa gtactttctcc aacatttact 360
ggtgcaactg cccaaagaaa ttcggagggc agcactgtga aatagataag tcaaaaacct 420
gctatgaggg gaatggtcac tttaccgag gaaaggccag cactgacacc atggggccggc 480
cctgcctgcc ctggaactct gccactgtcc ttcagcaaac gtaccatgcc cacagatctg 540
atgctcttca gctgggcctg gggaaacata attactgcag gaaccagac aaccggagggc 600
gaccctggtg ctatgtgcag gtgggcctaa agccgcttgt ccaagagtgc atggtgcatg 660
actgcgca tggaaaaaag cctcctctc ctccagaaga attaaaattt cagtgtggcc 720
aaaagactct gagggcccg ctttaagatta ttgggggaga attcaccacc atcgagaacc 780
agccctggtt tgcggccatc tacaggaggc accggggggg ctctgtcacc tacgtgtgtg 840
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aaataaaagt gatcaataaa atgtgatttt tctganaaaaa aaaaaaaaaa aaaaccgagg 2460
ggggnccggn accaattcgc cctaaa 2486
```

&lt;210&gt; 1980

&lt;211&gt; 915

1253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (172)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (724)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (825)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (845)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (848)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (855)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (886)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1980

```
ggagcgcaac gcaattaatg tgagttagct cactcattag gcaccccagg ctttacactt 60
tatgcttccg gctcgtatgt tgtgtggaat tgtgagcgga taacaatttc ncacaggaaa 120
cagctatgac catgattacg ccaagctcga aattaaccct cactaaaggg ancaaaagct 180
ggagctccac cgcggtggcg gccgctctag aactagtgga tcccccgkkc tgcaggaatt 240
cggcacgaga ggacataaca gaagcaatag agactaccat tagtcttgaa acagcacgtg 300
cagaccatcc gaagcctgta actgtgaaac cagtaacaac ggaacctcag agtccagatc 360
tgaacgatgc cgtgtccagt ttgcgaagtc ctattccctt cctcctgtcg tgtgcctttg 420
```

## 1254

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ttcaggtggg gatgtatttc atgtagaagg tggaagaagg ctgctatgac tctttggatg 480
ggagtctggc aagaggaaat tggaagataa aataaataat aagtgaata aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaact cgaggggggg cccggtagcc aattcgccct atagtgaagtc 600
gtattacaat tcaactggccg tcgtttttaca acgtcgtgac tgggaaaacc ctggcggttac 660
ccaacttaat cgccttgca cacaaccccc tttcgccagc tggcgtaata gcgaagaggc 720
ccgnaccgat cgccttccaa cagttgcgca acctgaatgg cgaatggcaa attgtaaagc 780
gttaatatatt tggtaaaatt cgcggtaaat tttggtaaat caagntcatt ttttaaccaa 840
taggnccnaa tcggnaaaat cccttataaa tcaaaaggaa tttganccgg gaatagggtt 900
gaatggttgt tccaa 915

```

&lt;210&gt; 1981

&lt;211&gt; 1427

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1981

```

ggaaaatctt ctgacactat ntaaggnacg cctgcnngta ccggtccgga attccccgggt 60
cgaccacgc gtcgggggaa gtcggtggcg ctgggtcctgc tgggggtcgg cctgtcctta 120
gtcggggaga tgttctctggc gtttagagaa aggggtgaatg cctctcgaga agtggagcca 180
gtagaacctg aaaactgcc cttatttgag gaacttgaaa gtggctctga agatattgat 240
atacttcccta gtgggctggc ttttatctcc agtggattaa aatatccagg catgccaaac 300
tttgcgccag atgaaccagg aaaaatcttc ttgatggatc tgaatgaaca aaacccaagg 360
gcacaagcgc tagaaatcag tgggtggattt gacaaagaat tatttaatcc acatgggatc 420
agtattttca tcgacaaaga caatactgtg tatctttatg ttgtgaatca tccccacatg 480
aagtccactg tggagatatt taaatttgag gaacaacaac gttctctggt atacctgaaa 540
actataaaac atgaacttct caaaagtgtg aatgacattg tggttcttgg accagaacag 600
ttctatgcc cagagacca ctattttacc aactccctcc tgtcattttt tgagatgatc 660
ttggatcttc gctggactta tgttcttttc tacagcccaa gggagggttaa agtgggtggcc 720
aaaggatttt gtagtgccaa tgggatcaca gtctcagcag accagaagta tgtctatgta 780
gctgatgtag cagctaagaa cattcacata atggaaaaac atgataactg ggattttaact 840
caactgaagg tgatacagtt gggcacctta gtggataacc tgactgtcga tcttgccaca 900
ggagacattt tggcaggatg ccatecta cctatgaagc tactgaacta taaccctgag 960
gacctccag gatcagaagt acttcgcac cagaatgttt tgtctgagaa gccagggtg 1020
agcaccgtgt atgccaacaa tggctctgtg cttcagggca cctctgtggc ttctgtgtac 1080
catgggaaaa ttctcatagg caccgtatct cacaaaactc tgtactgtga gctctagact 1140
ctagatagta aaaaaaaaaa aaaaaagtct acatattttg taaaagtaaa ctgataattg 1200

```



## 1255

```
tatgataagt ggcactgtaa gtaaataagca aacaccaacc agtgagtgtg gcttttctta 1260
tggatagaag taaaggagca gacagagatt ccttgatagc catcaaattg caagtcaggt 1320
taatgacagt ccaacaagaa gccaaacttt acggatcttt gttagcagcc ccaatgttct 1380
ttctacaata aaacatgtgg actatgtcca gtgaggtctc cgactca 1427
```

<210> 1982

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (699)

<223> n equals a,t,g, or c

<400> 1982

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tgctgatgca ggccatctcc ctcttctccn cagaccgtcc aggtgtgctg cagcaccgcg 60
tgggtggacca gctgcaggag caattcgcca ttactctgaa gtcctacatt gaatgcaatc 120
ggccccagcc tgctcatagg ttcttgttcc tgaagatcat ggctatgctc accgagctcc 180
gcagcatcaa tgctcagcac acccagcggc tgctgcgcat ccaggacata ccccccttg 240
ctacgccccct catgcaggag ttgttcggca tcacaggtag ctgagcggct gcccttgggt 300
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## 1256

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gacacctccg agaggcagcc agacccagag ccctctgagc cgccactccc gggccaagac 360
agatggacac tgccaagagc cgacaatgcc ctgctggcct gtctccctag ggaattcctg 420
ctatgacagc tggctagcat tcctcaggaa ggacatgggt gccccccacc cccagttcag 480
tctgtaggga gtgaarccac agactcttac stggagagtg cactgacctg taggtcagga 540
ccatcagaga ggcaagggtg ncctttcttt taaaaggccc tgtggtcntg gggagaaatn 600
cctcagatcc cactaaaagt gtcaangtgt tgaaagggac caaagccgac caaaggatag 660
ggcattcctg ggggtctaata gncccaacaa taccacacnt tttgggttcg g 711

```

&lt;210&gt; 1983

&lt;211&gt; 523

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (504)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1983

```

aaaasgtmac gcctgacagg tmaccggatc cgggaattcc cgggtcgacc cacggcgctcc 60
gcatttgcaa taacagaaaa ggaattgcat gtatgaagtt ttcaatcgtg ggcttttctt 120
tgttgtgggg aggggggtcgg gggatagttt gatttccatt ttctgaaaac gacagacttg 180
gattctgttt gtgtgtgcat attttatcca gccttaagtt ataaagctca tctgtcccgc 240
tgcattccct gtgtattttc aggacatggc tcgtgggtgt gtgtgttcat tgtgtgcgtc 300
tgtatgtatt ttncgtgcat cactgttccc tctctcccag agtgtgcatt cagttaatat 360
aatcagttgc ttgcntcttt caaagtgcct tgaaagtctg aactcatgtg tgagcatttt 420
atcaactatc ccaattgcag ttctccatca caaatctcct attggccngt acccctgaga 480
atagtttaga gaatggaata agcngtctgg aagatagcta gcg 523

```

&lt;210&gt; 1984

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1257

<222> (417)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (423)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (460)  
 <223> n equals a,t,g, or c

<400> 1984  
 atctactagg agtcaggggtg taagcctaga gaggatgaaa gaagggggagg ggatgggggag 60  
 tggtaagaac ctaggatttg aattcccagc ctggccaacc cttgcagcca tgtcttggcc 120  
 tcaagtggaa caagggctcc ttgaggccag cagggttggg ggagttggg tgggcctgag 180  
 cctctttcct gctagagctc ttggctcctc ctgcctccac caccatccc tgctctgcag 240  
 aacccttggg tgctgagtgg caggagcccc agggttgtcc catctgggta tggctggctg 300  
 ggtcactaac ttctgtgatc tgcttccttc ctttccagat tatgcggatc aaacctcacc 360  
 aaggccagca cataggagag atgagcttcc tacagcacia caaatgtgaa tgcagancaa 420  
 agnaagatag agcaagacaa gaaaatccct gtgggccttn ctca 464

<210> 1985  
 <211> 1233  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (49)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (72)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (93)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (135)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (163)

1258

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1985

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atggaaaaac gccagcaacg cggccttttt acgggttcctg gccttttgnt ggccttttgc 60
tcacatgttc tntcctgctg tateccctga ttntgtggat aaccgtatta ccgcctttga 120
gtgagctgat accgntcgcc gcagccgaac gaccgagcgc agngagtcag tgagcgagga 180
agcggaaagag cgcccaatac gcaaaccgcc tctccccgc gcgttggccg atttcattaa 240
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gtgagtttag tcactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtag 360
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 420
gccaagctcg aaattaaccc tactaaagg gaacaaaagc tggagctcca ccgcggtggc 480
ggcgcctcta gaactagtgg atcccccggt ctgcaggaaat tcggcacgag catgggtgtt 540
gcaaaacttt ctctctattt ttctcctcct ggtattctca ttactctgtt tcacctgtg 600
tagttgtccc acagtcttgg atatcatctt ctgttctttt cagtgtttct tttctttagt 660
tttcgaagtt tctgatgata aatcctcaag ctcagagatt ctttactcag ctgagtcag 720
tctactaata agccatcaga ggtattcttc agttatttaa cacatttttt accactacat 780
tatgttgaag tttcttacga tgtctgtctt tctgattaca ttaccatct acacttgaat 840
gctgtctact tcattcatta gacccttagc atattctcca gaggtttaa aaaatttcca 900
aaatcataac tttgtctgct tctgaagctt gctctgttga cacaaattgt attttttct 960
ttttttggat tttagtatgc cttgcaattt tttcccttta ttctcatgca tgaagcacc 1020
cactaaargt gactgytggt agtatagctt tartaatgag gtgatgargt gacagggcag 1080
gtgatgctct cttagtctct ttargctact ataacaaaat actttagact gagccsaata 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tgcagggggg 1200
gcccgaacca attcgcccta ctacgtgcgt cga 1233

```

&lt;210&gt; 1986

&lt;211&gt; 1583

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1986

```

ctgctggctc acctccgagc cactctgctg gcgcaccgca gcctcggacc tacagcccag 60
gatacttttg gacttgccgg cgctcagaaa cgcgcccaga cggccctcc accttttgtt 120
tgcctagggg cgccgagagc gcccgagggt aaccgcctgg ccttcgggga ccaccaattt 180
tgtctggaac caccctcccg gcgtatccta ctccctgtgc cgcgaggcca tcgcttcaact 240
ggaggggctg atttgtgtgt agtttgggtga caagatttgc attcacctgg cccaaaccct 300
ttttgtctct ttgggtgacc ggaaaactcc acctcaagtt ttcttttgtg gggctgcccc 360
ccaagtgtcg tttgttttac tgtagggtct cccgcccggc gccccagtg tttctgagg 420
gcggaaatgg ccaattcggg cctgcagttg ctgggcttct ccatggccct gctgggctgg 480
gtgggtcttg tggcctgcac cgccatcccg cagtggcaga tgagctccta tgcgggtgac 540
aacatcatca cggcccaggc catgtacaag gggctgtgga tggactgcgt cacgcagagc 600
acggggatga tgagctgcaa aatgtacgac tcgggtgctg cctgtccgc ggccttgtag 660
gccactcgag ccctaattgg gtctctccct gtgctgggct tcttgccat gtttgtggcc 720
acgatgggca tgaagtgcac gcgctgtggg ggagacgaca aagtgaagaa ggcccgata 780
gccatgggtg gaggcataat ttcatcgtg gcaggtcttg ccgccttgg agcttgctcc 840
tggtatggcc atcagattgt cacagacttt tataaccctt tgatccctac caacattaag 900
tatgagtttg gccctgccat ctttattggc tgggcagggt ctgccctagt catcctggga 960
ggtgcactgc tctcctgttc ctgtcctggg aatgagagca aggctgggta ccgtgcacc 1020
cgctcttacc ctaagtccaa ctcttccaag gagtatgtgt gacctgggat ctcttgccc 1080
cagcctgaca ggctatggga gtgtctagat gcctgaaagg gcctggggct gagctcagcc 1140
tgtgggcagg gtgcccggaca aaggcctcct ggtcactctg tccctgcact ccatgtatag 1200

```

## 1259

```

tcctcttggg ttgggggtgg gggggtgccg ttggtgggag agacaaaaag agggagagtg 1260
tgctttttgt acagtaataa aaaataagta ttgggaagca ggcttttttc ctttcagggc 1320
ctctgctttc ctcccgtcca gatccttgca gggagcttgg aaccttagtg cacctacttc 1380
agttcagaac acttagcacc cactgactc cactgacaat tgactaaaag atgcagggtgc 1440
tcgtatctcg acattcattc ccacccccct cttattttaa tagctaccaa agtacttctt 1500
ttttaataaaa aaaataaaga tttttattag gtaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaa                                     1583

```

&lt;210&gt; 1987

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1987

```

tgaaaaccat cegtctgcca cgctggctgg cccccagccc ccaacctcca tcctgcagga 60
gggtccgaag tgcttttcct ctaaccagat tctgtcttct ctccagcagc ctgccccacc 120
aaggagatcc aggttaaaaa gtacaagtgt ggcctcatca agccctgccc agccaaactac 180
tttgcgttta aaatctgcag tggggccgcc aacgtcgtgg gccctactat gtgctttgaa 240
gaccgcatga tcatgagtcc tgtgaaaaac aatgtgggca gaggcctaaa catcgccctg 300
gtgaatggaa ccacgggagc tgtgctggga cagaaggcat ttgacatgta ctctggagat 360
gttatgcacc tagtgaaatt ctttaaagaa attccggggg gtgcaactgt gctgggtggc 420
tcctacgacg atccagggac caaaatgaac gatgaaagca ggaaactctt ctctgacttg 480
gggagttcct acgcaaaaca actgggcttc gggacagtgg g                                     521

```

&lt;210&gt; 1988

&lt;211&gt; 346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1988

```

gcttgagtcc agatcttgta ctctctcat atttcttctg aaacatttaa aagtgtacat 60
tggttgtaaa atgtcaaaaca ttacttactt catacttttt tctccaatc tttatttcac 120
agttgttcag gggatgaagg aagctcagga aaggctgacg ggtgatgcct tcagaaagaa 180
acatcttgaa gatgaattgt aacatgaatg tgcccccttct ttcacagar ttagtgttct 240
ggaaggaaag cagcagggaa agggaatatt gaggaatcmt ctagaacaat taagccgamc 300
aggaaactca tycctaccta cctggaaaga mgtccccccc ccccc                                     346

```

&lt;210&gt; 1989

&lt;211&gt; 952

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (944)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (945)

&lt;223&gt; n equals a,t,g, or c

1260

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (947)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1989

```
ggcacgaggc cctcgcggcc tggccccgcc gcgccccgcc cgccccgcc ccgggggggat 60
gtcttacaaa ccgaacttgg ccgcgcacat gcccgccgcc gccctcaacg ccgctgggag 120
tgtccactcg ccttccacca gcatggcaac gtcttcacag taccgccagc tgctcagtga 180
ctacgggcca ccgtccctag gctacacca gggaactggg aacagccagg tgccccaaag 240
caaatacgcg gagctgctgg ccatcattga agagctgggg aaggagatca gaccacgta 300
cgcagggagc aagagtgcc tggagaggct gaagcgcggc atcattcacg ctagaggact 360
ggttcgggag tgcttggcag aaacggaacg gaatgccaga tcctagctgc cttgttggtt 420
ttgaaggatt tccatctttt tacaagatga gaagttacag ttcattctcc ctgttcagat 480
gaaacccttg ttttcaaaat gggttacagt tctgttttcc tcccatgggt cacttggtc 540
tgaacctaca gtctcaaaga ttgagaaaag attttgcagt taattaggat ttgcatttta 600
agtagttagg aactgcccag gttttttttg ttttttaagc attgatttaa aagatgcacg 660
gaaagttatc ttacagcaaa ctgtagtttg cctccaagac accattgtct ccctttaatc 720
ttctcttttg tatacatttg ttacccatgg tgttctttgt tccttttcat aagctaatac 780
cactgtaggg attttgtttt gaacgcata tgacagcacg ctttacttag tagccgggtc 840
ccatttgcca tacaatgtag gttctgctta atgtaacttc ttttttgctt aagcatttgc 900
atgactatta gtgcttcwwa gtcaattggg ccrkgcactt tttntnaga gg 952
```

&lt;210&gt; 1990

&lt;211&gt; 606

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1261

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1990

```

atnancctc actaaaggga acaaaagcng gngcctccac cgcggtgtcg gccgctctag 60
aactagtggg tcccccgggc tgcaggaatt cggcacgagt attgggacag gtggctttgc 120
aaagggtcaaa cttgcctgcc atatccttac tggagagatg gtagctataa aaatcatgga 180
taaaaacaca ctagggagtg atttgccccg gatcaaaacg gagattgagg ccttgaagaa 240
cctgagacat cagcatatat gtcaactcta ccatgtgcta gagacagcca acaaaatatt 300
catggttcctt gactactgcc ctggaggaga gctgtttgac tatataattt cccaggntcg 360
cctgtcagaa gaggagaccc gggttgtctt ccgtcagata gtatctgctg ttgcttatgt 420
gcacagccag ggctatgctc acagggacct caagccagaa aatttgctgt ttgatgaata 480
tcataaatta aagctgattg actttggtct ctgtgcaaaa cccaagggtg acaaggatta 540
ccatctacag acatgctgtg ggagtctggc ttatgcagca cctgagttaa tacaaggcaa 600
atcata                                           606

```

&lt;210&gt; 1991

&lt;211&gt; 1097

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (905)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (916)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (940)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1031)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1056)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1080)

&lt;223&gt; n equals a,t,g, or c

1262

&lt;400&gt; 1991

```
tcgacccacg cgtccggtgc agtacgagct gtgggcccgc ctgcctggcg cctccggggg 60
cgccctggcc tgctgcttcg tggcggcggc cgtggccctg cgctggtecg ggcgccggac 120
ggcgggtggcg cgggtggtccg ggcgcgacag aggcagcgag cgggcctgga gaacatggac 180
agggcgggcg accttccggc tccagaaccc agacctggac tcagaggcgc tgctagccct 240
gcccctgcct cagctggtgc agaagttaca cagtagagag ctggcccctg aggccgtgct 300
mttcacctat gtgggaaagg cctgggaagt gaacaaaggg accaactgtg tgacctccta 360
tctggctgac tgtgagactc agctgtctca ggccccaagg cagggcctgc tctatggcgt 420
ccctgtgagc ctcaaggagt gcttcaccta caagggccag gactccacgc tgggcttgag 480
cctgaatgaa ggggtgccgg cggagtgcga cagcgtagtg gtgcatgtgc tgaagctgca 540
gggtgccgtg cccttcgtgc acaccaatgt tccacagtcc atgttcagct atgactgcag 600
taacccccctc tttggccaga ccgtgaaccc atggaagtcc tccaaaagcc caggggggyc 660
ctcagggggg gaagggggccc tcatcgggtc tggaggytyc cccctggggt taggcactga 720
tatcggaggc agcatccgyt tcccctcttc cttctgcggc atctgcggcc tcaagcccac 780
agggaaaccc mctcaatgcg tctctccgtg ggcccatgg cccgggacgt ggaaaagcct 840
ggcacttggt cctgcgaacc ctgcttgtgc caaggacatg tttccgcttg gacccaatgt 900
gcctnccttg cccttnaaga agaggtctac accaagttnn aaccctgcg tgtggggtac 960
tatgagaatt gacaactata ccatgccttc cggcatgaa gcggccctgc ttggaaacaa 1020
acagagctta ngttggggga cacctgcaag ctgcanttct aaaacataag ctgtcggtgn 1080
aattggaatt gaacaat 1097
```

&lt;210&gt; 1992

&lt;211&gt; 903

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (745)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (801)

&lt;223&gt; n equals a,t,g, or c



## 1263

&lt;400&gt; 1992

```
ncnaaattaa ccctcactaa agggaaacaaa agctggagct ccaccgcggt gncgtccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggcacctt cttcaagatg 120
gagctttttg aaggcatgcg agagagcacc aagatttcat ctctgttggc agaattggag 180
gcaattcaaa gaaattcagc atcccaaaaag agtgtcattg tctctcagtg gaccaacatg 240
ctgaaagtgt tagcattgca cctgaagaag catggactga cttatgccac catcgatggc 300
tctgtcaatc ccaagcagag aatggacttg gtagaggcat ttaaccactc cagaggccct 360
caggtaatgc taatctctct cttggccgga gtgttggtct aaacctgact ggaggaaatc 420
acctctttct tttggacatg cactggaatc catcacttga agatcaagct tgtgaccgaa 480
tttaccgagt agggcagcag aaagatgttg tcatacacag rtttgtttgt gagggaaacag 540
tagaagaaaa gatcttacag ctccaagaaa aaaagraaga tttggccaaa caagttctat 600
cagggctctg agaatctgtc accaagctca ccttggctga cctcagagtc ctttttggca 660
tctaacctcc tgtggataag ggctcagaat agcaccattg ctgtgatgtt gcacctgtaa 720
ccatcttttt atgggtggag caganagtca atccctgcag ccacctgca gccagccatc 780
tctgcagttc tctcagtgca ngcagttctt cctctcaggc tgaagatcaa ggagatgctt 840
tgtwcatgaa cagatgctga rtatctgtta tcattgtatt gtttartgtc agtgtatcat 900
tta
```

&lt;210&gt; 1993

&lt;211&gt; 2999

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2996)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1993

```
ttttttttta ttttttggtt tagcatttaa taggcacata atcaacattt actgttcaat 60
tgaaacaaaa ttaaaattgg gcgctgtctc tatctttatt tgtgatcggc cctaactgca 120
ctggcaatct tttccgtttt tttgttttct gttttccatt cgcatgcccc ttagegtacc 180
tggggctccg gctcctttac aaatgaaacc caaagtgtc cgaagcacag ccagcgaaaag 240
ganaaactct gaaacggaca agatggctgc cacctcttcg cgctcttag tcccaccac 300
tcagggcgga ggtctgcgtc atgtgacct ccccttcttg gctccgctcc taccgcagtg 360
cttgacggga ggcggacggg gaacgaggcc gtcggcattt tgtgtctgct tctgtggga 420
cgtggtggtg gccgttgggt tgggaaagtg agggattttt ggctctgttt ctctgtcttc 480
ttttctcttc ccttttactt tgccggtaga acacagttat gggctcgcaag aagaagaagc 540
agctgaagcc gtggtgctgg tattgtaata gagattttga tgatgagaag atccttatte 600
agcaccaaaa agcaaagcat tttaaatgcc atatatgtca caagaaattg tatacaggac 660
ctggcttagc tattcattgc atgcaggtac ataaagaaac aatagatgcc gtaccaaattg 720
```

1264

```
caatacctgg aagaacagac atagagttgg aaatatatgg tatggaaggt attccagaaa 780
aagacatgga tgaaagacga cgacttcttg aacagaaaac acaagaaagt caaaaaaaga 840
agcaacaaga tgattctgat gaatatgatg atgacgactc tgcagcctca acttcatttc 900
agccacagcc tgttcaacct cagcaagggt atattcctcc aatggcacag ccaggactgc 960
caccagtacc aggagcacca ggaatgcctc caggcatacc tccattaatg ccagggtgttc 1020
ctcctctgat gccaggaatg ccaccagtta tgccaggcat gccacctgga ttgcatcatc 1080
agagaaaata caccagtcga ttttgcggtg aaaacataat gatgccaatg ggtggaatga 1140
tgccacctgg accaggaata ccacctctga tgccctggaat gccaccaggt atgccccac 1200
ctgttccacg tcctggaatt cctccaatga ctcaagcaca ggctgtttca gcgccaggta 1260
ttcttaatag accacctgca ccaacagcaa ctgtacctgc cccacagcct ccagttacta 1320
agcctctttt cccagtgct ggacaggctc aggcagctgt ccaaggacct gttggtacag 1380
atttcaaacc cttaaatagt acccctgcaa caactacaga acccccaaag cctacatttc 1440
ctgcttatac acagtctaca gcttcaacaa ctagtacaac aaatagtact gcagctaaac 1500
cagcggttcc aataacaagt aagcctgcta cacttacaac aactagtgc accagtaagt 1560
tgatccatcc agatgaggat atatccctgg aagagagaag ggcacagtta cctaagtatc 1620
aacgtaatct tcctcggcca ggacaggccc ccacggtaa tccaccagtt ggaccaattg 1680
gaggtatgat gccaccacag ccaggcatcc cacagcaaca aggaatgaga cccccaatgc 1740
cacctcatgg tcagtatggt ggtcatcatc aaggcatgcc aggatacctt cctggtgcta 1800
tgccccgta tgggcaggga ccgccaatgg tgccccctta ccagggtggg cctcctcgac 1860
ctccgatggg aatgagacct cctgtaatgt cgcaagggtg ccgttactga tcttacttca 1920
tccagtctaa taggtttgga gattaaacct tttctcaact tgtgctgttt atatagccaa 1980
gcttccgtca ataaggcttc attgtgactt taacaaacat tatcttccca cataccagga 2040
actattggac atttatttta catgggaaaa attattttgga ataataaagc aggaactttt 2100
cctgaagttg caattttatac tgtatggctt ctttttcatg tttcatctag gtttttagaa 2160
gtgaagtata gtaaattttg ttcgttaaat tgtgaaggcg ctggaattac atgaacatac 2220
caccctagta aaggcaagtt ctgtaagctt acattgctat ttgtaaagtt tgccttcaca 2280
gcatttcaga tgctgttgga cttcatgtcc ccaacctagc ttggtgaggg ctgtaactgt 2340
ttccaagtac ttgtacattg gaagtctgaa tgtgtaacaa tatttaatgt atttagagtt 2400
cctcatgttg cagggtttta gaaatctgac ccaccaaggt catgtgactt ttctgtactg 2460
ttaaacttca ttgtaataaa atgagagaaa aatttatgcc tttttattca taaccagct 2520
gtggaccact gcctgaaagg tttgtacaga tgcatgccac agtagatgtc cacataataa 2580
aattcatagt taccaatgca gtttanatat atcattggat tctgtctttg agttgtaggt 2640
tattttcttag ctgcatgttt taaactgaat ttgcatagag ttgtatgtta atgtttcagt 2700
taagagaaaa acttaagata catgagtcac tacataatgg gtatgaaatc tttataatca 2760
cccttccacc ctctatggtg tcagtacaca tcacgtgtca tagatactta aaatgtaaat 2820
gttaacactt ttcttctctg ctgagatgtt tagagcctag tgccagaccc attcatttcc 2880
ttttgattat ttttgagact cagtactagc ttcttgtgct gttaatgggt tattatatat 2940
tattctaagt gtaatgctga gaatctaaat gtgtctctgt tgggatgggt aacagntga 2999
```

&lt;210&gt; 1994

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1265

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1994

```

gcacaccgcg ctyagcgcc tcaactgccat ccccgctgtc cttgccgccc ccgccatggg 60
cctagagctg tttcttgacc tgggtgtccca gcccagccgc gccgtctaca tcttcgccaa 120
gaagaatggc atcccccttag agctgcgcac cgtggatttg gtcaaagggt ggcccagccc 180
gtttcccccgc gtgtccacaa acccagtgc mccccaggcc cccgcttgc ctgccctgag 240
cgtctcgcgc ccgcacagcc cctcacctcc tcctgcagcg tctgccacca gagaatgctg 300
tggactgagt ggcttggagg gatcacagnc tntctgaa 338

```

&lt;210&gt; 1995

&lt;211&gt; 2346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2262)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2344)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1995

```

ggtgccgtct gcctcccagg tgcgcgcttc gctcccggag ccgcggaact cggcgccgc 60
catggcgctc aacatggacc gggagatgat cctggcggat tttcaggcat gtactggcat 120
tgaaaacatt gacgaagcta ttacattgct tgaacaaaat aattgggact tagtggcagc 180
tatcaatggg gtaataccac aggaaaatgg cattctacaa agtgaatatg gaggtgagac 240
cataccagga cctgcattta atccagcaag tcatecagct tcagctccta cttectcttc 300
ttcttcagcg ttctgacctg taatgccatc caggcagatt gtagaaaggc aacctcgat 360
gctggacttc agggttgaat acagagacag aaatgttgat gtggtacttg aagacacctg 420
tactgttgga gagattaaac agattctaga aaatgaactt cagataacctg tgtccaaaat 480
gctgttaaaa ggctggaaga cgggagatgt ggaagacagt acggtcctaa aatctctaca 540
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agaatttggg gtggatgatg gagaagtatt tggcatggcg tcatctgcct tgagaaaaatc 1020
tccaatgatg ccagaaaacg cagaaaatga aggagatgcc ttattacaat ttacagcaga 1080
gttttcttca agatatggtg attgccatcc tgtatttttt attggctcat tagaagctgc 1140

```

## 1266

```

ttttcaagag gccttctatg tgaaagcccc agatagaaag cttcttgcta tctacctcca 1200
ccatgatgaa agtgtgttaa ccaacgtgtt ctgctcacia atgctttgtg ctgaatccat 1260
tgtttcttat ctgagtcaaa attttataac ctgggcttgg gatctgacaa aggactccaa 1320
cagagcaaga tttctcacta tgtgcaatag acactttggc agtgttgtgg cacaaaccat 1380
tcggactcaa aaaacggatc agtttccgct tttcctgatt attatgggaa agcgatcatc 1440
taatgaagtg ttgaatgtga tacaagggaa cacaacagta gatgagttaa tgatgagact 1500
catggctgca atggagatct tcacagccca acaacaggaa gatataaagg acgaggatga 1560
acgtgaagcc agagaaaaatg tgaagagaga gcaagatgag gcctatcgcc tttcacttga 1620
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gcagattcgc aaagaacaag aagaggaacg tgaggccatc cggctgtcct tagagcaagc 1740
cctgcctcct gagccaaagg aagaaaatgc tgagcctgtg agcaaactgc ggatccggac 1800
ccccagtggc gagttcttgg agcggcgttt cctggccagc aacaagctcc agattgtctt 1860
tgatttttga gcttccaaag gatttccatg ggatgagtac aagttactga gcacctttcc 1920
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taataaatat agctacttaa gatttcccat ccatgagtat atattcccaa cccttattac 2220
agagaattac aactctggca cccttcctta cccctgcact tnacccttct tcaatgacga 2280
atgcatttgt caagtgtgag tgatcactaa atagaaattt taccttttca gngcccatct 2340
tttncc 2346

```

&lt;210&gt; 1996

&lt;211&gt; 2021

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1996

```

gcccacgcgt ncgcccacgc gtccggcaag aggetgggaa gccatcactt accttgcact 60
gagaaagaag acaaaggcca gtatgcacag ctttctccca ctgctgtctg tgctgttctg 120
gggtgtggtg tctcacagct tcccagcgac tctagaaaca caagagcaag atgtggactt 180
agtccagaaa tacctggaaa aatactacaa cctgaagaat gatgggaggc aagttgaaaa 240
gcggagaaat agtggcccag tggttgaaaa attgaagcaa atgcaggaat tctttgggct 300
gaaagtgact gggaaaccag atgctgaaac cctgaagggtg atgaagcagc ccagatgtgg 360
agtgcctgat gtggctcagt ttgtcctcac tgaggggaac cctcgctggg agcaaacaca 420
tctgacctac aggattgaaa attacacgcc agatttgcca agagcagatg tggaccatgc 480
cattgagaaa gccttccaac tctggagtaa tgtcacacct ctgacattca ccaaggtctc 540
tgaggggtcaa gcagacatca tgatatcttt tgtcagggga gatcatcggg acaactctcc 600
ttttgatgga cctggaggaa atcttgetca tgcttttcaa ccaggcccag gtattggagg 660
ggatgctcat tttgatgaag atgaaagggtg gaccaacaat ttcagagagt acaacttaca 720
tcgtgttgcg gctcatgaac tcggccattc tcttggactc tcccattcta ctgatatcgg 780
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aaccclaaaa gcgtgtgaca gtaagctaac ctttgatgct ataactacga ttcgggggaga 960
agtgatgttc tttaaagaca gattctacat gcgcacaaat cccttctacc cggaagttga 1020
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```

1267

```

atttgccgac agagatgaag tccgggtttt caaagggaat aagtactggg ctgttcaggg 1140
acagaatgtg ctacacggat accccaagga catctacagc tcctttggct tccctagaac 1200
tgtgaagcat atcgatgctg ctctttctga ggaaaacact ggaaaaacct acttctttgt 1260
tgctaacaaa tactggaggt atgatgaata taaacgatct atggatccag gttatcccaa 1320
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tggatttttc tatttctttc atggaacaag acaatacaaa tttgatccta aaacgaagag 1440
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aatttgaatg gaaaacacat ggtgtgagtc caaagraggt gttttcctga agaactgtct 1560
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acctcagttt gcatattttt ttactattta gaatgtagcc ctttttgtac tgatataatt 1680
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agagttgcaa agatcttttc yagagtatgc aactctgacg ttgatcccag agagcagctt 1800
cagtgacaaa catatccttt caagacagaa agagacagga gacatgagtc tttgccggag 1860
gaaaagcagc tcaagaacac atgtgcagtc actggtgtca ccctggatag gcaagggata 1920
actcttctaa cacaaaataa gtgttttatg tttggaataa agtcaacctt gtttctactg 1980
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                2021

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&lt;210&gt; 1997

&lt;211&gt; 1955

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1997

```

ccggcttccc aggcagaaga gtcganaaaa gctgtctttn tctcacgtca cccagcncag 60
gctcattaag ttcttcanc ctttcccaat cattttcnca atgagcaaat tgactaagag 120
aagcaaaggt ttcttggggg tattaaccag tagtgtggaa atactagttt tatgtggcca 180

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1268

```

aggaaaagca aaggcttttc ttttcagttt gtgttatttg gaagacagaa aaacatcttg 240
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tgctgtaaat tttttataaa tgaatttcaa aatgttataa tgggactgta ggttggtttt 360
ctacatcttc attatttgga cctaaaacca gtttttaata agaaagttta tctttactct 420
ttctgaaatt atgactccag aaaaagaaaa aaaaaataca agtcatggaa tcagcaatct 480
ggtaagaaat gctgccaaga atgtggcagt agctgtcctg acagactcca actgtcttta 540
ctatctgaag aatcctaggc tccacatgag aggcagaaat ggatcagtct tattcttttc 600
tagaaatggg tatctgtagt ttggtagcaa aaaaaagaa aaaagaatcc ataattagca 660
gatttcttat taactatttg gatctaattg aaatggcttt attcttagga ttaagaaaga 720
tagatgtgga taccagcca ctcgttccat attggatctt tttaaatcag ctctgcctct 780
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aagggtgtgg tttgtaagta cgatctgtaa aataactggg atgaattccc atgtatacct 1860
gtgtaaatag atttgtaaac tgaaatatac ttaagaaaag ataaaatctg taaataaact 1920
gatttataaa ttaaaaaaaa aaaaaaaaaa aaaaaa 1955

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&lt;210&gt; 1998

&lt;211&gt; 1158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (264)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1998

```

aaaaggaacg tggaatcttg ggaagaagag ctggcgctcca agctggacca ctacaaagcc 60
aaggccacgc ggcacatctt cctcatcagg cattcccagt accacgtgga tggctccctg 120
gagaaggacc gcactctgac cccgctgggt cgggagcagg ctgaactcac tgggctccgc 180
tggaagcctt ggggttgaaa gtttaataaa atcgtccatt cgtctatgag cgcgccatag 240
agaccaccga tatcatcagc cggncacctg ccaggcgtct gcaaagtcag cacagatctg 300
ctgcgggaag gcgcccccat cgagccagac ccgcccgtgt ctcatggaa gccggaagct 360
gtgcagtatt acgaagacgg agcccggatc gagggccgct tccggaacta catccaccgc 420
gcagatgccg ggcaggagga ggacagttac gagatcttca tctgtcacgc caacgtcatc 480
cgctacatcg tgtgcagagc actgcagttt cctcctgaag gctggctccg gctctccctc 540

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1269

```

aataatggca gcatcaccca cctggtgatc cgacccaacg gccgagttgc gctcaggacc 600
ctcgggggaca cgggggttcat gcctcccgac aagatcactc gatcctgagg gctccggcct 660
ctccttccct ctgtcctccc tgcacaggcc gcacacactt aacgttttgt tcccaaggag 720
accggcggaa agtagaaacc tgcaatgctg catctgggaa ctgacttgtg accaggctga 780
gaaggggaga gttgggatca gacagcctga cttctctgca gggttttata cctgaccatg 840
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gtggggactt gaaagaggcc tgacccagac caccatgttc gcaccacag ctgacccgtg 960
ctgagggtcc aggtccatt ggcaaagccg gtcaggcacg agggcgactg aggcacgtgg 1020
atgaggaggg caccaggtt ctgttcacaa ctcacttcac ttcatacatc cttttaattt 1080
cttaaaaccc tcttgtccct taaatatattg tcaattaaag attttctggc tgggcaaaaa 1140
aaaaaaaaaa aaagtttt 1158

```

&lt;210&gt; 1999

&lt;211&gt; 1127

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (182)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1090)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1999

```

tgtcacagac tacttcatca gtcgcttata tggagctggg accaagggtt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccacat cctctggcac tgctgaactt 120
ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccagggt acgacggatt 180
tnctgccagc ctgcagatcc tgcgcctgtc gccctagggt tctgtaccct tcagaccacc 240
ttgtcttgtt tcctggggcag agctcagcag tacttggcag catgggaccc agcttccttc 300
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cccctgatct ccgccagacc ctgctcatgc tcagcatctt ccagcagctg gatggggcct 1020
gctgtgtctg ttgcagmagc ccytgcccaa gttcaagtcc acaggaggcc ccctgttgct 1080
gtgttgtcan gagtccagac cacgaaattt ccagcagcg cctcaat 1127

```

&lt;210&gt; 2000

&lt;211&gt; 478

&lt;212&gt; DNA

## 1270

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2000

```

aagaaggagc tcagccacta tctccccacc gagccagctc agcgggcagg gctgggaggg 60
agtgggacag attctgggag tscagcgagg aggagtcccg gctggsctga gcgcaggagg 120
ctgcttgmma gtgccagagc ccaggcccca gagccctgct ggagaggagg cagactgagg 180
cagcaggccc cgccagcagg cgaagaggng agatgtcaga ctgctacacg gagctggaga 240
aggcagtcac tgtcctgggtg gaaaacttct acaaatatgt gtctaagtac agcctgggtca 300
agaacaagat cagcaagagc agcttccgag agatgtctca gaaagagctg aaccacatgc 360
tgtcgcatcg ctgacctgct ttcctcccca ggacacaggg aaccggaagg ctgcggataa 420
gctcatccag aacctggatg ccaatcatga tgggcgcac agcttcgatg agtactgg 478

```

&lt;210&gt; 2001

&lt;211&gt; 1261

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2001

```

cccacgcgtc cgcccacgcg tccggagctc tccccgggtct gacagccact ccagaggcca 60
tgcttgcgtt cttgccagat ttggctttca gcttctgttt aattctggct ttgggccagg 120
cagtccaatt tcaagaatat gtctttctcc aatttctggg cttagataag gcgccttcac 180
cccagaagtt ccaacctgtg ccttatatct tgaagaaaat tttccaggat cgcgaggcag 240
cagcgaccac tgggggtctcc cgagacttat gctacgtaaa ggagctgggc gtccgcggga 300
atgtacttcg ctttctccca gaccaagggt tctttcttta cccaaagaaa atttcccaag 360
cttctctctg cctgcagaag ctctctact ttaacctgtc tgccatcaaa gaaagggaac 420
agttgacatt ggcccagctg ggccctggaet tggggcccaa ttcttactat aacctgggac 480
cagagctgga actggctctg ttcttggttc aggagcctca tgtgtggggc cagaccaccc 540
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tcaacctgct ggatgtagct aaggattgga atgacaaccc ccggaaaaat ttcgggttat 660
tcctggagat actggtcaaa gaagatagag actcaggggt gaattttcag cctgaagaca 720
cctgtgccag actaagatgc tcccttcag ctctcctgct ggtgggtgact ctcaaccctg 780
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gtgggtgtgg gtaggatgtc agaaatggga atagaaggag tgttcttagg gtaaactctt 1200
taataaaact acctatctgg tttatgacca cttagatcga aatgtcaata aaaaaaaaaa 1260
a 1261

```

&lt;210&gt; 2002

&lt;211&gt; 1531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1271

<220>  
<221> misc feature  
<222> (1524)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1530)  
<223> n equals a,t,g, or c

<400> 2002  
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atatgttttg tgcattttgt tttgctctgt atatagtata tataatggac aaatagtcct 120  
aatttttcaa catctagtct ctagatgtta aagaggttgc cagtgtatga caaaggagta 180  
aaattagcat attttgtaca ctttgtgttg aaattcgtag gaaaacttgt cttctgtaaa 240  
gacttttgca taggaatttg tttgaccatc tctaagcatt acacgtgcct gtacttgtcc 300  
actggattga aggcagagaa ggaagggagg agggaatgat tcaaggccaa aatggccaca 360  
tttagaagat acctcagatg ataaccattg ttatgtgtgt gcaattttat ttaacagtgc 420  
tgtgtatgtg gtggacaagt tatatgaaat atctagtctt tctagatatt tggaaagtgc 480  
tgatgtattht aaaagtggta gtagaataac actttgtaaa tagcttttaa aaactgatgg 540  
gaaatgctgt ttggaagtgg aattgttgaa ccacctggga ggtgggaggg aagaaattgc 600  
aatgggtgtt ttgccattgt ttattagaaa atttcagctt aatccattgt gtatatgtta 660  
catgcatttc atttaacttt gctatactgt atatatgtta tatataacgg acaaattagt 720  
cccgatttta taatatctag tctctagata ttaaagaggt tgccaatgta tgacagaagt 780  
agagttagta aactaacaca ttttgtacac tttgttaaaa tttgtagaaa ggctgtcttc 840  
tgaaaaggac ttttggaagt gagataacat cagctctaag tgacacgtgc ctatatccat 900  
caggttggtg gtggagagga gttggaagga atgaagggtt ctagaccaga atgttcgtat 960  
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tgtatatagc ggacaaactt aagtccttat ttgaaacatc tagtctttct agatgttttag 1080  
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aaaaggttgc cagtatatga caaaagtaga attagtaaac tactacatgr gtacactttg 1440  
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ttacagtggc tawagctggc cacnggggtn g 1531

<210> 2003  
<211> 2333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2018)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2044)

1272

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2292)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2306)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2003

```

cacgcgtccg catttttcgta tccctgctga tttcaaacct tcccatgggt tagaagcata 60
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ataatcaatg aaagaaattc tatgcatggg tttgaaataa tgtccttgaa agaggaatca 180
ccattaggaa aggtgagtcg gggtcctttg tttaatgtga ctagtggctc atcatcacca 240
gtgacctggg tgggcctact ctccttccag aacctgcatt gcttcccaga cctccccact 300
gagatgcctc taagagccaa aggagtcaac acttgagcct aggggtgggct acaacaaaag 360
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aacaattcca tgtagcaatc ttttttctgt tcacgggtgt tgtgatagaa ccttaaattc 540
cgcaagcatc agttttttga aaaaatggga attgaccgga tagttacagg caaagattat 600
aaatwgctac aacatcattt aactttttata aacatgcctt ctctctattg aagacatctg 660
atattttttg tggaaagttg gatctatcct cagtaactct gccatggaat tcctgkttcc 720
tggttccaga aaaagaaaag attacatttc tgatcataaa gaatgtcttg catatgggga 780
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gataaatatt ttggtaacat aatccaaatt agagacttag agctctgggt agcaatcatg 1200
tttaaagaga agcttcttaa agctctgtat gctgggagat tcatgattat taccaacgtt 1260
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gagatatttt tcaactgttaa cttttagccc atgcattttc ataatttatt tttttcactt 1560
gctgctttat atgacatatg tgacatttga ttatttaaca cttgatgtga tctgcataaa 1620
cccaagttgc acaaccctcc tgctgaagat aaaattgagg ttaaagataa agattttatt 1680

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1273

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tcatatattgt acagtgatcg gcttcagtga tggtttttgt gggcatttat tgtgtgtgtg 1740
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ttttgattta tatggtttac attttcattg tgtgggccat atttcgttta tactgtttat 1860
ttctcttcaa accttaataa ttataccata aagtgttaatt tttatagcaa tgcaaagtgc 1920
taaggaacta caaatatttt ctacgttgta aattcaataa agcttgcttc ctttggcaaa 1980
aaaaaaaaaa aaaaaaaaaa ctcgaggggg ggcccgnac ccaattcgcc ctatagttag 2040
tcgnattaca attcactggc cgctgtttta caacgtcgtg actgggaaaa ccctggcggt 2100
acccaactta atcgcccttc agcacatccc ctttcgccca gctggcgtaa tagcgaagag 2160
gcccgcaccg atcgcccttc ccaacagttg cgcagcctga atggcgaatg gcaaattgta 2220
agcgtaataa ttttgtaaaa attcgcgtta aatttttgct aaatcagctc attttttaaa 2280
accccccccc cnaaaaaaaaa tttttnaaag gggggggggg ccccccccc nng 2333

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&lt;210&gt; 2004

&lt;211&gt; 2399

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2004

```

ggcacgaggt agaaaccttg aaattttaga aaacatcaat ttcatgccta atgttttgcc 60
tgggtataatt gttgagccca gagactgttt gtacttgaac agttcaggaa gaaaagaagt 120
agaaatgatt tttgttgctg ccacacttcc tacttttttg tatgagctta aacctatgtc 180
ttgaacattht atatcaccat tcttgcccct gaacacaaat gaatttttta tctttattht 240
atgctacatt tctatacaat taaatttata ttttcaattg tttgtttgct tgctcccat 300
gggagtcggt aaagtgtaaa cagggcatag ggactgcaat taaccttgag aacaaaagaa 360
caatttatca ctttaccaaa caacaaaatt cactcttatt gttataaatt cataataaag 420
gcagcaacta tcaattaaat tgagaacaga agtggcaaaa caggcacagt catcaaattt 480
gcaatagcta actgctctat tctgaattat cagcagtagc tgagaactac ccaaaggtht 540
gctgatggcc acagtacaga acgattagtg aattcacggc tgcattgtct gtttgcctta 600
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tctattacac acggttaact agcacttaaa acaaatatat ctataagaat ttatcagtag 780
tggctctgatt cgtaggctac cccaaaaccc tgcctagcca atgaagtagc tggaaataga 840
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gtacccccc aaactgaggt gtttgagggt tacctccctc tgccaaacac ctagacattt 960
actgaacaga cttttactac gaagtgttaa tggaaagtcag ggaccccaaa tggagggact 1020
ggctgaagcc atggcagaag aacataaatt gtgaagattt catggacatt tattagthtcc 1080
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ctgtctttac tttaatctct taatcctgtc atcttcataa gctgaggatg tatgtcacca 1260
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caatatgaaa tctgggcacc ttgaaaaaag aacaggataa cagctatgtt cagggaacaa 1380
gggagataac cattaggtct ggctgcctga ragccaggca gaacagaacc atatttctct 1440
tctttcaaaa gcaaatagga gaaatatcgc tgaattcttt ttctcagcaa agaacagcct 1500
ggagaaaagag agtgtgttcc tagcaggagg tctctgaaat ggctgctctg ggaatgtctg 1560
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ttattaggat gaggacattc ccacctaata aattttggtc agaccagtht tctgctctca 1680
aaccctgtct cctgataaga tgttatcaat gacgatgctg gccagtgga acatgcaact 1740
tcattagcat ttttaatttc accccagthc tgtgatctcg cctgscctyc atthtgcctg 1800
tgatatttta ttaccttatg aagcatgtga tctctgtgac ccgaccctt tctgtctttt 1860
ctggagggtg aggacccttg aaccctthc ctccacggca cgagctcgtg ccgttttttc 1920
ctgttttttg atthtatgta aataaacaga gtcataaatt tgacactctc aaaaatcccc 1980

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## 1274

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ccatcagatt catgtaagac ttttattttg gtgatacttc tccacaacca tcgcactaca 2040
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tcttctgtgg tctggagata attcttatca tattagcacc ttagatgtaa ttgccagtat 2160
tcatgatatg ttaaaaaatt attaaatgtc tactaaattt gctacagctt agctacttca 2220
cgagactcta aaattcgggt cctgctata ctcttaaatt tcaaataata acatatatac 2280
ctcttccctt gataaaatct tacttccgat ctgtatcttt tcttgacact ttccttctct 2340
tgacactttt ggttgactgg gtctgtatgt tgaaatgtct gccttgatag atactcgag 2399

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&lt;210&gt; 2005

&lt;211&gt; 1916

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2005

```

gtgtgagagg cctctctgga agttgtcccg ggtgttcgcc gctggagccc ggggtcgagag 60
gacgaggtgc cgctgcctgg agaactctcc gctgccgtcg gctcccggag cccagccctt 120
tcctaacccta acccaacctc gccagctccc agccgccagc gcctgtccct gtcacggacc 180
ccagcgttac catgcacctt gccgtcttcc tctcttacc cgacctcaga tgctcccttc 240
tgctcctggt aacttggggt ttactctctg taacaactga aataacaagt cttgatacag 300
agaatataga tgaaatttta aacaatgctg atgttgcttt agtaaatttt tatgtctgact 360
ggtgtcgttt cagtcagatg ttgcatccaa tttttgagga agcttccgat gtcattaagg 420
aagaatttcc aaatgaaaat caagtagtgt ttgccagagt tgatttgtat cagcactctg 480
acatagccca gagatacagg ataagcaaatt acccaaccct caaattgttt cgtaatggga 540
tgatgatgaa gagagaatac aggggtcagc gatcagtga agcattggca gattacatca 600
ggcaacaaaa aagtgaaccc attcaagaaa ttccgggactt agcagaaatc accactcttg 660
atcgagcaa aagaaatatc attggatatt ttgagcaaaa ggactcggac aactatagag 720
tttttgaacg agtagcgaat attttgcatg atgactgtgc ctttctttct gcatttgggg 780
atgtttcaaa accggaaaga tatagtggcg acaacataat ctacaaacca ccagggcatt 840
ctgctccgga tatggtgtac ttgggagcta tgacaaattt tgatgtgact tacaattgga 900
ttcaagataa atgtgttctt cttgtccgag aaataacatt tgaaaatgga gaggaattga 960
cagaagaagg actgcctttt ctcatactct ttcatatgaa agaagatata gaaagttag 1020
aaatattcca gaatgaagta gctcggcaat taataagtga aaaaggatca ataaactttt 1080
tacatgccga ttgtgacaaa tttagacatc ctcttctgca catabagaaa actccagcag 1140
attgtcctgt aatcgctatt gacagcttta ggcatatgta tgtgtttgga gacttcaaag 1200
atgtattaat tcctggaaaa ctcaagcaat tcgtatttga cttacattct ggaaaactgc 1260
acagagaatt ccatcatgga cctgacccaa ctgatacagc cccaggagag caagcccaag 1320
atgtagcaag cagtcacact gagagctcct tccagaaact agcaccagat gaatataggt 1380
atactctatt gagggatcga gatgagcttt aaaaacttga aaaacagttt gtaagccttt 1440
caacagcagc atcaacctac gtggtggaaa tagtaaacct atattttcat aattctatgt 1500
gtatttttat tttgaataaaa cagaaagaaa ttttgggttt ttaatttttt tctccccgac 1560
tcaaaatgca ttgtcattta atatagtagc ctcttaaaaa aaaaaaaaaa cctgctagga 1620
tttaaaaaata aaaatcagag gcctatctcc actttaaatc tgtcctgtaa aagttttata 1680
aatcaaatga aaggtgacat tgccagaaac ttaccattaa cttgcactac tagggtaggg 1740
aggacttagg gatgtttcct gtgtcgtatg tgcttttctt tctttcatat gatcaattct 1800
gttggtatgt tcagtatctc atttctcaaa gctaaagaga tatacattct ggatacttgg 1860
gaggggaata aattaaagtt ttcacactga aaaaaaaaaa aaaaaaaaaa ctcgta 1916

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&lt;210&gt; 2006

&lt;211&gt; 1073

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1275

&lt;400&gt; 2006

```
cttattggat cccccggggg cttgcagaaa ttcggcacga ractcatct caggccacac 60
aggattccat tcatcgaaca ttctgagac aacggaattc tggatgga gcacaggcca 120
gtgggtggcca ggggccagggt gtggctatga aggggtgggt gccttgtag acccttgagg 180
cccgtgcaag ctgttggcat gtcaacagtt agctgcttct cattgctgag tggcgattgg 240
tctgtcatg gtttattcag ccattgtgtg gatggcaact tgtcttctaa gccacttgcc 300
ttctgattgc tggactgact ctctcgccct ctcttggtgc agccctcggg aggctcagtc 360
acactctccg agagcacagc catcatctcc aatggcatca caggcctggt cacatgagat 420
gctgccctct acctggcaga atgggccatc gagaacccgg cagccttctc tcatagggtga 480
cctcggggcg caggcgagga caccgaggca ggctcaccct ggtgcagtta cagacatggt 540
cccccttctt cccgccagga ctgtcctaga gcttggcagt ggcgccagcc tcacaggcct 600
ggccatctgc aagatgtgcc gcctccaggc atacatcttc agcgactgtc acagccagggt 660
cctcgagaag ctctgagggg atgtccttct caatggcttc tcattagagg cagacatctc 720
tgccaactta gacagcccca ggggtgacagt gggccagctg gactgggacg tcgagcagggt 780
ccatcagctt tctgccatcc agccagatgt tgtcattgca gcaggcaatg cccagcccca 840
ggactctgtg caggcggtgt ccttgacagt ctaccagct ctgggctctg ggaaaaggga 900
acaatggacg ctgtcgggca tggacatgat ggggcttcca gaagagttac tctgggcctc 960
cagggtgaca tcaaaggaca ggggtgcctc ttaagggtgac cttccagcca cagccctctt 1020
gttgagagaca ggcatactcc cattacagtc atcaccacat ggctctgtcc cag 1073
```

&lt;210&gt; 2007

&lt;211&gt; 3711

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2007

```
ttcgaggctg gccgcgtggc tgggaagacat ggccactcca gtcggtgttg agcacggcga 60
gcagtctcag gccttttagtg atgatgggtgc agtcagcctc agtttccaaa gccggaaaag 120
gacctcttag tagccacggt gtgncagctg ctctgaacca ggacctggac ccggacccaa 180
agtgccatgt ctttaagtgt agctcccagc gatgccagat gggatcagca cagccctgcc 240
tctgctgcta attgttcctc taaagtaatc gccatgcgtt cttggggctt catctttaa 300
ggaatgaagc aactgagatt attctggaaa accttttggc agttagtga attagagtac 360
aactaagaac attttcagac ctccactgtg gatgacctgg gtataatctc acaaatcgat 420
gggactgcaa ggattgtaaa ctgaaatgaa catgattata ctctgttgga agagcctaag 480
aggaaactga tgccatgagt ttcagagagt aatgcttaac cccagttaca caggatgccg 540
tcttggtgtt cctcttggtt agttaccac tacagtgatt ttgtgatctg ctaatgggtt 600
gccaccacac accattgctt tagcactttt acttcaaatac aatgaaggat tgataaaagt 660
tctcctggtg tctccgcaga gtgccttcca ggaacagatc ttgcataga atatcagtgg 720
tttccctttt tgtttcaaat agtggtcaga aaatacccag tgttgactca ccaaggcaat 780
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aatcttggct cactgcaacc tccacctccc gggttcaagc aattctcctg gctcagcctc 960
ctgagtgtct ggactacagg cgcgtacctt ctttagtaga gactgggttt caccatgttg 1020
gccaggatgg tctctatctc ctgacctgtg gatctgcctg cctcagcttc ccaaagtgtc 1080
gagatgacag gtgtgagcca tcagaccag catttttttt ttttaatttaa atttaaattt 1140
```

## 1276

```

ttttcatttt tttgagaggt tttttttggt ttgttttggg gttgttgggtg ttgttgggtg 1200
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ctctacctcc caggttcaag caattcttgt gcctcagcyt cccaagtaac tgggactaca 1320
ggtgcacgct accacacctg gctgattttt tttgttttag tagagacagg gtttcaacca 1380
tgttgccag gttggtctca aactcctgag ctgaggcaat ccacccgcct tggcctccca 1440
aagtgctagg attacaggtr tgagccacca caccagcta ttttttcttt cgttttttaa 1500
ttttaaagtt gggggggggt tcaatttggt aycctggctg rtctcgaact cccggactta 1560
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cctttttttt tcttatctgc tgccatgtga gatgtggctt tcaccttcctg ccatgattgt 1680
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aaaaaatcac tatttaagat actaggatgg attgtgactg ttgaggagta cttacatata 1800
ctacatttga ctacattatt tccaaaccaa gtattccatc caaaggaaca tactgctata 1860
atagagacca aggagggact gtttaagggt gccaaaggta agcgagctga gaggctttgt 1920
cctcgtgcca gtaactctga aatctctctt aattcctgct gtccaggcag cagaatgcca 1980
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cagaggtctc tgaatttctg aagtgggtgt tcgtttctgg tgactgagtt aatcctttac 2100
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tgaatttact ggcagagggt tctggtccaa aataggcgtg cggcctagga cccatgatag 3540
aagtggacag agcgcccaga gccgtcgtat tgcaaggggg agatggaggg gagggtcagg 3600
gcgcgggagt agccgcggta ccctgagcgg taggagcggg gctgtccctt ttatctaggc 3660
cctcagggac aggcacgccc agaatggccg atctcagcat cacatagtcg c 3711

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&lt;210&gt; 2008

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1277

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2008

```
agatttactg tgcgctgctg ggctgcatgg acgactacac cacggacagc agagggggacg 60
tggggcacctg ggtccgcaag gccgccatga ccagtcctgat ggatctgaca cttctgctgg 120
ctcggagcca gcctgagctg atcgaggccc atacctgtga gcgcatcatg tgctgtgtgg 180
cccagcaggc cagtgagaag attgaccgtt tccgtgctca cgccgccagc gtgttcctga 240
cgctcctgca ctttgacagc cctcccatcc cccacgtgcc ccaccgagga gaactggaaa 300
agctgtttcc caggtccgat gtggcctccg tgaactggag tgcamcttcc caggcyttcc 360
cacgcataac castccttgg gtkgccacyt acggtwacam gtctgtgtgg gggtagtcgt 420
gtccttggcg gttnaggatg acgatccgga ttcaccaagc ttttataa 468
```

&lt;210&gt; 2009

&lt;211&gt; 839

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2009

```
gagatggggg tccaaaagcc ccacagcact gccaatattc ctggagctca ctgccggagt 60
tctagcattt gttttcaaag actggatcaa agaccagctg tatttcttta taancaacaa 120
catcagagca tatcgggatg acattgattt gcaaaacctc atagacttca cccaggaata 180
ttggcagtg cgtgggggctt ttggagctga tgattggaac ctaaatattt acttcaattg 240
cacagattcc aatgcaagtc gagagcgatg tggcgttcca ttctcctgct gcactaaaga 300
tcccgcagaa gatgtcatca aactgagtg tggctatgga tgccaggcaa aaaccagaag 360
ttgaccagca gattgtaayc tacacgaaag gcygtgtgcc ccagtttgag aagtggttgc 420
aggacaattt aaccatcggt gctgggtattt tcataggcat gcattgctgc agatatttgg 480
gatatgccct ggcccagaat tkggtttagc atatcgaagc tgtcagggcg agctggtaga 540
ccccctgcaa ccgstgctgc aagacactgg acagaccag ctttcgggac cctcccgcgt 600
gccgaactga tcttcgagct gcatggacct aatcacagat gcagcctgca gtctcgccca 660
atggagctgc cattagggga gtgtaaaact gggaaatgct gctcactgac agaattaaaa 720
aaaaaaaaaa ccagtatgaa agtcgttgcg ccgtgaatct ctactgtagc catgaattta 780
tggacagtta gatgcttacc aaaaaaaaaa aaaaaaaact cgagggggggg cccgtaccc 839
```

&lt;210&gt; 2010

&lt;211&gt; 813

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2010

```
tcgacccacg cgtccggctc cccgagccct gccaacatg gtgaacttgg gtctgtcccg 60
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1278

```
gggtggacgac gccgtggctg ccaagcaccc gggactcggg gagtatgccg catgccagtc 120
acacgccttc atgaagggcg ttttcacctt cgtcacaggc accggcatgg cctttggctt 180
gcagatgttc attcagagga agtttccata ccctttgcag tggagcctcc tagtggccgt 240
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ggacctgccc aggagggttg agcagaaagg gctctccctg ggggtggtgt tctcctctag 600
gggtattggga tgcattgttct gcactgccag cagagagggg gtgtctgggg gccaccacct 660
atgggacacg gggctgaagg ggcctgtaca ctctgtcatt tcctttctag cccctgcac 720
tccaacaagt ccaaggtgac agctggtgct aggggctgg ggtaataaa tggcttatcc 780
ttctctccaa aaaaaaaaaa aaaaaawaaa aaa 813
```

&lt;210&gt; 2011

&lt;211&gt; 994

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2011

```
aaaggcga aa ggcctcattt attgttgctc ttttacgccc cagcttacct taggctcggg 60
gttgtttgga tttgaacgaa caattcccca gaaacgtatg ccatattcga ttaatcgatc 120
gtatagggat ttgccctgag ccaagatcgc caaggaggag atcttcgggc cagtgatgca 180
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ccaggcgggc actgtgtggg tcaactgcta tgatgtgttt ggagcccagt caccctttgg 360
tggctacaag atgtcgggga gtggccggga gttgggagag tacgggctgc aggcatacac 420
tgaagtga aa actgtcacag tcaaagtgcc tcagaagaac tcataagaat catgcaagct 480
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tccttgctgt ctgaatatct gaaaagagaa atttttccta caaaatctct tgggtcaaga 600
aagttctaga atttgaattg ataaacatgg tgggttggtt gagggtaaga gtatatgagg 660
aaccttttaa acgacaacaa tactgctagc tttcaggatg atttttaaaa aatagattca 720
aatgtgttat cctctctctg aaacgcttcc tataactcga gtttataggg gaagaaaaag 780
ctattgttta caatttatatc accattaagg caactgctac accctgcttt gtattctggg 840
ctaagattca ttaaaaaacta gctgctctta aaaaaaaaaa aaaagggcgg ccgctcgca 900
tctagaacta gtccggacgc gtgggtcgac ccgrgaattc cggaccggta cctgcaggcg 960
taccttctat agtgagtcgt attagagctt gccg 994
```

&lt;210&gt; 2012

&lt;211&gt; 1770

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (674)



1279

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (694)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2012

```
gnatgaacac caactggcca gcctcgggtgc aggtcagcgt caatgccacg ccgctcacca 60
tcgagcgtgg cgacaacaag acctcgcaca agccactcta cctgaagcat gtgtgccagc 120
caggccgcaa caccatccag atcaccgtca ccgcctgctg ctgctccac ctcttcgtgc 180
tgcagctagt gcaccgcca tccgtccgct cgggtgctgca gggcctctc aaaaagcgcc 240
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acatacagtg ctttgacctg gagtcgtacc tgcagctcaa ctgtgagcgg gggacttgga 480
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tgggcatcct gatttacatt cagaactctg actatgagga gatcaccatc gacccacgt 600
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agatgatcgc cgccctgggy cccggcgctg cccctttgc cccctgcag cccctcag 780
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cccacccagc ctgcttcttg tccagcattg atccttctgt ttcaacaact cctccactgg 1440
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gctctggcag ccagccgtg tgtggtgtca ggttcctctc cccacccag cttcaagcag 1620
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gctgggagag gggagccagc tgtccagcca gcatgttctt gttgtrymtc cygtctgtgc 1740
cgatctctat taaaggactc cctcttgaaa 1770
```

&lt;210&gt; 2013

&lt;211&gt; 707

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1280

<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (468)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (641)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (686)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (697)  
<223> n equals a,t,g, or c

<400> 2013  
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gatgcagaca gcccttgcca tgccctgccac tgtcaggatg gaactgtgac atgctccttg 180  
gttgactgcc ctyccacgac ctgtgccagg ccccagagtg gaccaggcca gtgttgcccc 240  
aggtgcccag actgcatcct ggaggaagag gtgtttgtgg acggcgagag cttctccccc 300  
ccccgagacc cctgccagga gtgccgatgc caggaaggcc atgcccactg ccagcctcgc 360  
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gtgccgctgc cttgtccaga gcctgtcctg ctgccgggag agtgctgccc ggaatggccc 600  
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ccaaggaagt accttttttc cccggncccc ggcatnccc ttggccg 707

<210> 2014  
<211> 2440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

1281

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2421)  
<223> n equals a,t,g, or c

<400> 2014  
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cgccgagcgc agcgagcagt agcgaggaag cgnaagagcg cccaatacgc aaaccgcctc 120  
tccccgcgcg ttggcccgatt cattaatgca gtggcacgac aggtttcccg actggaaagc 180  
gggcagtgag cgcaacgcaa ttaatgtgag ttagctcact cattaggcac cccaggcttt 240  
acactttatg cttccggctc gtatgttgtg tgggaattgtg agcggataac aatttcacac 300  
aggaaacagc tatgaccatg attacgcaa gctcgaaatt aaccctcact aaagggaaca 360  
aaagctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc cggggctgca 420  
ggaattcgyy wcgagctaag ctgcagtgat gttgcctata tttaaatttt ctcaaattggc 480  
caagctctga tggctactt tatttgagca atagttgaga cttataattg cctataaata 540  
aacaaacaaa tgaactatth gttttttttt ctcacaacat ctggcctata ttgtctgtca 600  
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ctgacctcac caggtttcag agatgttctt aaaggaagcc agctgtggca ggtcacagat 720  
tcatgggaaa tggaaagaac caaggaatat agctcttgcc tcacctttct acccactgca 780  
gatatagttc aagccagagt aatggaagaa cttaacttac tagcctctca ggctgtcctc 840  
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ttgaaatgtt taaaagttcc tgaacatgat tcatgatgat taaaatatca tacaactgat 1440  
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tagagctttg atttttagcta tcctaattac tgcaataaaa tatttgttct tatagtttta 1560  
aatcaaaaag aaaagtcttg ttataaaaacc ttaagcttga aatcatatta ataaaaatata 1620  
ttgtacatag tggaaaattt tcagtagcta atttaaaatt tcagaaaatg ctattaaaga 1680  
atthtgattc aagtatttaa actgttttagt tatgcatgct tcttattaac cgaaaatgat 1740

1282

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atTTTTtccT agttgggtgT cctgctcaga aaacatata ctgtatgtgt atacatacct 1860
gtgtatatat aaaaggtcaa tttatatatt tttctatagg aaaatggagt aacaagttcc 1920
ctatctccca tatttatTTg tccatagtaa aatggccaca ttgatgataa tttctagaac 1980
tagtttctga gattgtcagc cctttgtcta aaataatggc agtattaatg attgacttct 2040
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gttccaaaaa aaatgtgttg aaatttaatt gctaaatagt ggttgggtgat tctttacagt 2160
aggaattgta ataattttct tgcaataaag ttattttactg ctattgatat tgaataattt 2220
gtcttttatt cagatatatt tcaaaaagca tgaatatatg attattcata aattgtatac 2280
tttaccagta agttttcaga ggaaataaag acttttaaat ccttnnaaaa aaaaaaaa 2340
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2400
aaaaaaaaaa aaaaaacccc ngggggggcc ccsgccccca 2440

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&lt;210&gt; 2015

&lt;211&gt; 3302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2015

```

gcggcacgag cgccacsyG tctgcrGca ctggatgctt tgtgagttgg ggattgtttgc 60
gtcccatatc tggaccaga agggacttcc ctgctcggtt ggctctcggt ttctctgctt 120
tctccggag aaataacagc gtcttccgG cgcgcatgg agcctcccgG ccgccgGag 180
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ttctatatac ctctcttgc caccataact atttgtgatc ggaatcatac atggctacct 420
gtctcagatg acgctgttta tagagaaaca tgtccatata tacgggatcc tttaaatggc 480
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acactgaaaa ttgggaatat gcacaaactt ggcttcttta accaagaata ttattggaaa 1860
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## 1283

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aaagctagaa agtgtatgtg tggcatttgt tttcactttt taaaacatcc ctaactgac 1980
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cagccataac aggagtgcc cttcatgggt cgaagtgaac actgtagtct tgttgttttc 2100
ccaaagagaa ctccgtatgt tctcttaggt tgagtaaccc actctgaatt ctggttacat 2160
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aa 3302

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&lt;210&gt; 2016

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2016

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caggcaggca ggctgagggc attgccaagg actaaaacca gtagagcaac ctctggccat 60
gtcacccctg cagtacagct ttatggcggt catccacttt gcggggctca aggccgtggg 120
cgagtcgggt cagaagcctc tggattatta cagagttaac ctgaccggga ccattccagct 180
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```

&lt;210&gt; 2017

&lt;211&gt; 2056

1284

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2038)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2054)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2017

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gtgtgtgtgt gcatacagac acacatatat ctgaaatgta aatattctct ttttaaaaaa 1500
attattatca cagctaaaca aattaccagt aattctttta tctcatataa cccgggtgtt 1560
agattttcta gattggctcc taattttttt acagattatt tgaatctgat tcaattcatg 1620
tactgtaaatg tttgataact taagtaccct ttataggttc tcttttacct cttctttatt 1680
aaattccttg taatttggtg tactaaatag attgtcttct agaatttcct gtagtctgaa 1740
ttatgtagta ttgtttcaca tgttcagtg tctctttatt tctgtgagt tggtagttag 1800
atctagaagc ttgattaaat tcagattttc tctctttaga tcatcaactt tagatcatca 1860
acttggatca tttgtttcat tttgcttttg atatgttgtt ttttagaatt acctcttaa 1920
attttgattt aattttataa tcatgtaaaa tgtttataaa tttccaaatt cagatcagca 1980
aaacacaata aaatctattc agagaaggca aaaaaaaaaa aaaaaaaaaa aaaaaanaa 2040
aaaaaaaaaa aaanaa 2056
```

&lt;210&gt; 2018

1285

&lt;211&gt; 1891

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2018

```
gcttctcagt tgtggacgmk cgtaagtttt cggcagtttc cggggagact cggggactcc 60
gcgtctcgct ctctgtgttc caatcgcccg gtgcgggtgg gcaggggtctc gggctagtca 120
tggcgctcccc gtctcggaga ctgcagacta aaccagtcac tacttggttc aagagcggtc 180
tgctaatacta cactttttatt ttctggatca ctggcggttat ctttcttgca gttggcattt 240
ggggcaaggt gagcctggag aattactttt ctctttttaa tgagaaggcc accaatgtcc 300
ccttcgtgct cattgctact ggtaccgtca ttattctttt gggcaccttt ggttggtttg 360
ctacctgccg agcttctgca tggatgctaa aactgtatgc aatgtttctg actctcgttt 420
ttttggtcga actggtcgct gccatcgtag gatttggttt cagacatgag attaagaaca 480
gctttaagaa taattatgag aaggctttga agcagtataa ctctacagga gattatagaa 540
gccatgcagt agacaagatc caaaatacgt tgcattggtg tgggtgtcacc gattatagag 600
attggacaga tactaattat tactcagaaa aaggatttcc taagagttgc tgtaaacttg 660
aagattgtac tccacagaga gatgcagaca aagtaaacaa tgaaggttgt ttataaagg 720
tgatgaccat tatagagtca gaaatgggag tcgttgccagg aatttccttt ggagttgctt 780
gcttccaact gattggaatc tttctcgctt actgcctctc tcgtgccata acaaataacc 840
agtatgagat agtghtaacc aatgtatctg tgggcctatt cctctctacc ttttaaggaca 900
tttaggggtcc cccctgtgaa ttagaaagtt gcttggctgg agaactgaca acactactta 960
ctgatagacc aaaaaactac accagtaggt tgattcaatc aagatgtatg tagacctaaa 1020
actacaccaa taggctgatt caatcaagat ccgtgctcgc agtgggctga ttcaatcaag 1080
atgtatgttt gctatgttct aagtccacct tctatcccat tcatgttaga tcgttgaaac 1140
cctgtatccc tctgaaacac tggaagagct agtaaattgt aaatgaagta atactgtgtt 1200
cctcttgact gttatttttt ttagtagggg gcctttggaa ggcactgtga atttgctatt 1260
ttgatgtagt gttacaagat ggaaaattga ttctctgac ttgctattg atgtagtgtg 1320
atagaaaatt caccctctg aactggctcc ttcccagtc aggttatctg gtttgattgt 1380
ataatttgca ccaagaagtt aaaatgtttt atgactctct gttctgctga caggcagaga 1440
gtcacattgt gtaatttaat ttcagtcagt caatagatgg catccctcat cagggttgcc 1500
agatggtgat aacagtgtaa ggccttgggt ctaaggcatc cagcactgga agggactact 1560
gatgttctgt gatacatcag gtttcagcac acaacttaca tttctttgcc tccaaattga 1620
ggcatttatt atgatgttca tactttccct cttgtttgaa agtttctaata tattaatatg 1680
tgtcggaatt gttgtatttt ccttaggaat tcagtggaaac ttatcttcat taaatttagc 1740
tgggtaccagg ttgatatgac ttgtcaatat tatggtcaac ttaagtcctt agttttcggt 1800
tgtgcctttg attaataagt ataactctta tacaataaat actgctttcc tctaaaaaaa 1860
aaaaaaaaaa aaaaaaaagt cgtatcgatg t 1891
```

&lt;210&gt; 2019

&lt;211&gt; 3557

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2779)

1286

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3523)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3557)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2019

```
tatgcccgcac ccgctctacct ttagaacact ttgctnatcc aagatgggga gaatccagtt 60
caaatctctt tgkactaatt ttatcatatt gtactttaag atcactggta tctaaccct 120
ctacattaag gccaaactga agggcatctc ccagctgcag taagaactca gatgatgagt 180
gaagaattct ggggttgagg gagtgcaata taagcaagct aacctgtttc aatgaaacag 240
atgatcaatg aagacactgc atcatttggt tccaaaagtt aggccttgca gccaaaggctt 300
tggttttta gagaaaatta gctctaaaga ccagggcacc taggcaacct agcagagaag 360
aagtttcatg aagtcagagc ccagggtgtt ggggtgagggt agggagttgg ggcaaagcaa 420
cactgggctt ctaaaaaaga aatgtctccc ctgagatgaa tgacttggtg gcacaagttt 480
caggaaagac aaagctctaa aaatatcatt gtaaaattaa taatacttct ccaaagtaag 540
gactcaactc aaactatcct tggatgcaat taaaatggcc ttggaagaag ctttcaggtg 600
cggagggtact caccagtgtc ctgccagcac ctcatctct gaagaagtca tcggagggag 660
ccactacctt gattttatga ccacagatga gtttcttcta atccgaaaga gattgacttt 720
tggtattttt ttcttagttt ttgtttattt atattctttt aagctttaaa aaaaagtgtc 780
attgctgtgc ttcttattcc tctggctgac tttagaattg aggactggga atcctgaaaa 840
tttgcaaagt tatctactat cctcactgcc ttggaacacc cattattcca ctctgtctaa 900
tttctactca tgtttcaagt ctaaacagga agattcctct gtgatcatgc ctctcccttt 960
ctcatgaatt aaatgcatat attatgctag taatgcttct ggaatgaatg aataatagaa 1020
agaaagaaag tggggggagg gaagcagggg aagtaaaatg agaaaggcag ccttatctgg 1080
aaggagctcc caaaagtgtg tctcttaaca cctatcagaa aaaaaagggc caacaaatat 1140
ccaggcaacg aaggtagtga ccagtaggaa gaatctgagg gaattacatt ttggaaaaag 1200
cattgctctc ccaagattcc cttttaaaaa tttaaataaa ccttgagagt agtgatgcat 1260
aaatgaattt gatctgtcac agtcccgcct ttggaagagg gcctcagagc ttatgaaaga 1320
ccctaagtgg ggggtgggaga agacaaaagg ggtgggatgt cagtttcaag tttccagggc 1380
attctctgat tgtgctctat gtccctgcag actgccagtg tgacctcacc ctctccagtc 1440
accctcctc agttccagct atgagttcct gcaacttcac acatgccacc tttgtgctta 1500
ttggtatccc aggattagag aaagccatt tctgggttgg ctccccctc ctttccatgt 1560
atgtagtggc aatgttttga aactgcatcg tggcttcat cgtaaggacg gaacgcagcc 1620
tgcacgctcc gatgtacctc tttctctgca tgcttgacg cattgacctg gccttatcca 1680
catccaccat gcctaagatc cttgcccttt tctggtttga ttcccagagag attagctttg 1740
aggcctgtct taccagatg ttctttattc atgccctctc agccattgaa tccaccatcc 1800
tgctggccat ggcctttgac cgttatgtgg ccatctgcca cccactgcgc catgctgcag 1860
tgctcaacaa tacagtaaca gccagattg gcacgtggc tgtgggtccgc ggatccctct 1920
tttttttccc actgcctctg ctgatcaagc ggctggcctt ctgccactcc aatgtcctct 1980
```



1287

```

cgcactccta ttgtgtccac caggatgtaa tgaagttggc ctatgcagac actttgcccc 2040
atgtggtata tgggtcttact gccattctgc tggatcatggg cgtggacgta atgttcatct 2100
ccttgtccta ttttctgata atacgaacgg ttctgcaact gccttccaag tcagagcggg 2160
ccaaggcctt tggaacctgt gtgtcacaca ttggtgtggt actcgccttc tatgtgccac 2220
ttattggcct ctcatgttga caccgcttg gaaacagcct tcatcccatg gtgcgtgttg 2280
tcatgggtga catctacctg ctgctgcctc ctgtcatcaa tcccatcatc tatggtgcc 2340
aaaccaaaca gatcagaaca cgggtgctgg ctatgttcaa gatcagctgt gacaaggact 2400
tgcaggctgt gggaggcaag tgacccttaa cactacactt ctcttctatc ttattggctt 2460
gataaacata attatttcta acactagctt atttccagtt gcccataagc acatcagtac 2520
ttttctctgg ctggaatagt aaactaaagt atggtacatc tacctaaagg actattatgt 2580
ggaataatac atactaatga agtattacat gatttaaaga ctacaataaa accaaacatg 2640
cttataacat taagaaaaac aataaagata catgattgaa accaagttga aaaatagcat 2700
atgccttggg ggaaatgtgc tcaaattact aatgatttag tgttgtccct actttctctc 2760
tcttttttct ttctttttnt tttattatgg ttagctgtct caaagcataa aatggaataa 2820
catatcaaat gaaacagggg aaaatgaagc tgacaattta tggaagccag ggcttgtcac 2880
agkctctact gttattatgc attacctggg aatttatata agcccttaat aataatgcca 2940
atgaacatct catgtgtgct cacaatgttc tggcactatt ataagtgtt cacaggtttt 3000
atgtgttctt cgtaacttta tggagtaggt accatttgtg tctctttatt ataagtgrga 3060
gaaatgaagt ttatattatc aaggggacta aagtcacacg gcttgtgggc actgtgcca 3120
gatttaaaat taaatttgat ggttgaatac agttacttaa tgaccatgtt atattgtctc 3180
ctgtgtaaca tctgccattt atttccctcag ctgtacaaat cctctgtttt ctctctgtta 3240
cacactaaca tcaatggctt tgtacttgtg atgagagata accttgccct agttgtgggc 3300
aacacatgca gaataatcct gttttacagc tgcctttcgt gatcttattg cttgcttttt 3360
tccagattca gggagaatgt tgttgtctat ttgtctctta catctccttg atcatgtctt 3420
cattttttta tgtgctctgt acctgtcaaa aattttgaat gtacaccaca tgctattgtc 3480
tgaacttgag tataagataa aataaaattt tattttaaat tnnaaaaaaaa 3540
aaaaaaaaaa actcgan 3557

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&lt;210&gt; 2020

&lt;211&gt; 1599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (376)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (377)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2020

```

gggcgcggga aggtgcggtg tgttggctga ggcaagccgt ggctcggggc acgcggggcc 60
aggagggcag gaccgtctgc cggcgacagc ccataccgtc tgccgttgcg cgacacgaac 120
caccctccga tccgccatcc ccgcgtcgtc gccgctagtc cggccggccc ccctcggggc 180
ccccgctgcc gagccccgac tcctaagagc tgaaagaaat tattgagagt catagtccat 240
agccccctgc ttctgtcccc aacctcaaac gacgaaaagg acttcgggtc cctggccccg 300
cgacgcccgg gaaggaaaag agagcgacct ccgccccgcg ctgaggccac cctggagggg 360
gaagccgccc cgcgcnnsgg ttagagcgcc ccgcccgcgc gtagaccgga agccgcctgg 420

```

1288

```

agcccaaggc tgtacacgtg ccctgtgctg attctctgcc taggaaagga ccatgcagct 480
agagatcaaa gtggccctga acttcatcca tctcctactt gtacaacaag ctgccccggc 540
gccgggcaga cctgttttggg gaggagctag agcggctttt gaaaargaaa tatgaaggcc 600
actggtaccc tgagaagcca ctgaaaggct ctggcttccg ctgtgttcac attggggaga 660
tggtggaccc cgtggtggag ctggccgcca agcggagtg cctggcggtg gaagatgtgc 720
gggccaatgt gcctgaggag ctgagtgtct ggattgatcc ctttgaggtg tcctaccaga 780
ttggtgagaa gggagctgtg aaagtgtctg acctggatga cagtgagggt tgcggtgccc 840
cagagctgga caaggagatc aagagcagct tcaaccctga cgcccaggtg ttcgtgccc 900
ttggcagcca ggacagctcc ctgtccaact ccccatcgcc atcctttggc cagtcaccca 960
gccctacctt cattccccgc tccgctcagc ccatcacctt caccaccgcc tccttcgctg 1020
ccaccaaat ttggtccact aagatgaaga agggggggcg ggacagcaagt ggtgggggtg 1080
tagccagcag tggggcggtt ggccagcagc caccacagca gcctcgcatg gcccgctcac 1140
ccaccaacag cctgctgaag cacaagagcc tctctctgtc tatgcattca ctgaacttca 1200
tcacggccaa cccggccctt cagtcccagc tctcacccaa tgccaaggag ttcgtgtaca 1260
acggtggttg ctcaccacag ctcttctttg atgcggccga tggccagggc agcggcacc 1320
caggcccggt tggaggcagt ggggctggca cctgcaacag cagcagcttt gacatggccc 1380
aggtatttgg aggtggtgcc aacagcctct tcttgagaa gacacccttt gtggaaggcc 1440
tcagctacaa cctgaacacc atgcagtatc ccagccagca gttccagccc gtggtgctgg 1500
ccaactgacc atctacctgc ccgtggggcc aggagcacc aagaccacag aaaagagaaa 1560
ggaaaggcca aaaaaaaaaa aaaaaaactc gagactagt 1599

```

&lt;210&gt; 2021

&lt;211&gt; 2593

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2348)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2021

```

ggccactcca tctgagggtg gctgcgtgtc cacataygag gggacagggc tgaggatgag 60
gagaaccctg gggaccagga agaccgtgcc ttgcccggaa gtctgcctg taggcctgaa 120
ggacttgccc taacagagcc tcaacaacta cctggtgatt cctacttcag ccccttggtg 180
tgagcagctt ctcaacatga actacagcct ccacytggtc ttcgtgtgtc tgagtctctt 240
cactgaragg atgtgcatcc aggggagtc gttcaacgtc gaggtcggca gaagtgacaa 300
gctttccctg cctggctttg agaacctcac agcaggatat aacaaatttc tcaggcccaa 360
ttttggtgga gaaccggtac agatagcgct gactctggac attgcaagta tctctagcat 420
ttcagagagt aacatggact acacagccac catataacct cgacagcgct ggatggacca 480
gcggctggtg tttgaaggca acaagagctt cactctggat gcccgcctcg tggagtctct 540
ctgggtgcca gatacttaca ttgtggagtc caagaagtcc ttctccatg aagtcactgt 600
gggaaacagg ctcattccgc tcttctccaa tggcacgggc ctgtatgccc tcagaatcac 660
gacaactggt gcatgtaaca tggatctgtc taaatacccc atggacacac agacatgcaa 720
gttgcagctg gaaagctggg gctatgatgg aaatgatgtg gagtacacct ggctgagagg 780
gaacgactct gtgcgtggac tggaacacct gcggcttgct cagtacacca tagagcggta 840
tttcacctta gtcaccagat cgcagcagga gacaggaaat tacactagat tggctctaca 900
gtttgagctt cggaggaatg ttctgtattt cattttggaa acctacgttc cttccacttt 960
cctggtggtg ttgtcctggg ttccattttg gatctctctc gattcagtc ctgcaagaac 1020
ctgcattggr gtgacraccg tgttatcaat gaccacactg atgatcgggt cccgcacttc 1080
tcttcccaac accaactgct tcatcaaggc catcgatgtg tacctgggga tctgctttag 1140

```

1289

```

ctttgtgttt ggggccttgc tagaatatgc agttgctcac tacagttcct tacagcagat 1200
ggcagccaaa gataggggga caacaaagga agtagaagaa gtcagtatta ctaatatcat 1260
caacagctcc atctccagct ttaaaccgga gatcagcttt gccagcattg aaatttccag 1320
cgacaacggt gactacagtg acttgacaat gaaaaccagc gacaagttca agtttgtctt 1380
ccgagaaaaag atgggcagga ttgttgatta tttcacaatt caaaacccca gtaatgttga 1440
tcactattcc aaactactgt ttcctttgat ttttatgcta gccaatgtat tttactgggc 1500
atactacatg tatttttgag tcaatgttaa atttcttgca tgccataggt cttcaacagg 1560
acaagataat gatgtaaatg gtatttttagg ccaagtgtgc acccacatcc aatggtgcta 1620
caagtgactg aaataatatt tgagtctttc tgctcaaaga atgaagctcc aaccattggt 1680
ctaagctgtg tagaagtcct agcattatag gatcttgtaa tagaaacatc agtccattcc 1740
tctttcatct taatcaagga cattcccatg gagcccaaga ttacaaatgt actcagggct 1800
gtttattcgg tggctccctg gtttgcattt acctcatata aagaatggga aggagaccat 1860
tgggtaaccc tcaagtgtca gaagttgttt ctaaagtaac tatacatggt ttttactaaa 1920
tctctgcagt gcttataaaa tacattgktg cctatttagg gagtaacatt ttctagtttt 1980
tgtttctggt taaaatgaaa tatgggctta tgtcaattca ttggaagtca atgcactaac 2040
tcaataccaa gatgagtttt taaataatga atattattta ataccacaac agaattatcc 2100
ccaatttcca ataagtccta tcattgaaaa ttcaaataata agtgaagaaa aaattagtag 2160
atcaacaatc taaacaaatc cctcggttct aagatacaat ggattcccca tactggaagg 2220
actctgaggc tttattcccc cactatgcat atcttatcat tttattatta tacacacatc 2280
catcctaaac tatactaaag cccttttccc atgcatggat ggaaatggaa gatttttttt 2340
taacttgntc tagaagtctt aatatgggct gttgccatga aggcttgagc aattgagtc 2400
attttctarc tgcttttatt cacayagtga yggggtacta aaagtactgg gttgactcrr 2460
agagtygctg tcattctgtc attgctgcta ctctaacact gagcarcact ctcccagtg 2520
cagatcccct gkatcattcc argaggagca ttcattccct tgggtctaag rtcagggaat 2580
gratgsttat tat 2593

```

&lt;210&gt; 2022

&lt;211&gt; 1688

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (168)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (235)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (802)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2022

```

tgccggctgg agtccggagt ccctggccta ctggccgrac cgttccgaca ccgaggtgcc 60
tcctctggac ctgggctgga cggacactgg tttctaccgc ggcgtgagcc sggtcacgct 120
cttcacccac ccgccaagg acgagaaggc gccgcacctc aagcaggngg tcaggcagat 180
gatccaacag gccagaagg tcattgctgt ggtcatggac ctcttcaact atgnggatat 240

```

1290

```
ctttcaagac attgtggatg ctgcctgtaa ggcgcgggtc ccagtgtaca tcatcctgga 300
cgaggcagga gtgaagtatt tcctggagat gtgtcaggac ctgcagctca ctgacttccg 360
gattcggaac atccgtgtcc gctctgtgac aggcgtcggc ttctacatgc ccatggggag 420
gatcaagggg accctgtcat caagggttct gatggtggac ggtgacaaag tggccactgg 480
atcttacagg ttacacctgga gtccctccca tgtggacaga aacctcctcc tgctcctgac 540
aggacagaac gtagagccct ttgacacgga gttccgggag ctgtacgcca tctccgagga 600
ggtggacttg taccggcagc tgagcctggc gggcaggggt ggccctccatt actcctccac 660
tgtggctcga aagcttatca accccaagta cgccttgggt tcaggctgcc gccacccgcc 720
tggggagatg atkcgctggg ctgcccggca acagcgggag gcgggcggca acccgaggag 780
gcaggaggag ggcgccagcg gnggcgagtc ggcctggcgc ctggagagct tcctgaaaga 840
cctggttacg gtggagcagg tgctgcccc cgtggagccc atccccctgg gagagctgag 900
ccagaaggat ggcaggatgg tctctcacat gcacagagac ctgaagccca aatccccgaga 960
ggcaccacgc cgaaayggca tgggagaagc gggccggggg gaggccgccc ccgccgggag 1020
cttcagcagc aggcctctca gtcgccgagc caagaggcct gcggcgccca atggcatggc 1080
cagctctgtc tccaccgaga cctctgaagt ggagtctctg acggggaaga ggcccaacga 1140
gaattccagt gctgacatct caggtaaaac aagtcccagt tctgccaagc ctagcaactg 1200
tgtgatttcc tgagctgcgg gatggtgggt ggcaggacgt gtggatgcct gcctgccctg 1260
ccctgtgctg tggagagcgc aggtcgcaca ctgcaccagt ttgcacatca gacgccaact 1320
ggccttctgc cctgcagcct ccgtcctggc ctcagggacg ctggatccca aatgagaggg 1380
tccgaagcat ctcatgcaca cgcctccacc ggactgtcgg tggctgggca ggggtcagtg 1440
ccacggcctc cttgtttaca tgaagtggaa gcttgaccag tgtctgctcg cctttgtgcc 1500
ccacccccct cgctgattgc cagatggggt gagggcccat tctttaaac tttatggggt 1560
gggggtgtctg gggcagctgc agtggcttct cctttcccag gcttcctggt gcttctgatt 1620
ccccacgcca ctccccaccc aagagattgg tgggaataaaa gggaagaggg cagggccctg 1680
agactgga 1688
```

&lt;210&gt; 2023

&lt;211&gt; 2543

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

1291

&lt;400&gt; 2023

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&lt;210&gt; 2024

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1292

<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

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agttcctatt gattcatcag attttgcatt ggatattcgc atgcctgggg ttacacctaa 180  
acagtccgat acatacttct gcatgtctat gcgaatacca gtggatgagg aagccttcgt 240  
gattgacttc aagcctcgag ccagcatgga tactgtccat cacatgttac tttttggatg 300  
caatatgcct tcatccactg gaakttactg gttttgtgat gaaggaacct gtacagataa 360  
agccaatgat tctgtatgcc tgggcgagaa atgcttcccc ctacccgggc tccccaaang 420  
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acactaaggg ggantattaa tggc 504

<210> 2025  
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<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
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<222> (752)  
<223> n equals a,t,g, or c

<220>

1293

<221> misc feature  
 <222> (778)  
 <223> n equals a,t,g, or c

&lt;400&gt; 2025

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gatgcggagt ttgttgatat cgatggaaaa tcgcatctca tcctgtncan ccgctcccan 180
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gagatccaag ctcttccatc ccggggggcc atgacctgc agcccttttc ttttaaagat 420
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<210> 2026  
 <211> 2521  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (133)  
 <223> n equals a,t,g, or c

&lt;400&gt; 2026

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cccttggccg cangtgcacg gtctccggaa agtgcaggcg cccacgtccc agctggacca 180
tgggcctcc gcggaacgtg gtgaagattg ccatccagat gcgtgacgcc atcccgacg 240
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gagcctgacg cactctgagc gttacgcctt gcagtttgcg gatgggcacc ggagatacat 360
caccgagaat aaccgcgcgg agatcaagaa tggcagcatc ctgtgcctca gcacggcccc 420
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ggaagccctg argcgcttg ttccgctggc ctcgacatg atctttgcca gggaggtcat 540
cagccgtaat gggctccaga tactaggcac catcattgaa gatggggack acctaggaga 600
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1294

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t

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&lt;210&gt; 2027

&lt;211&gt; 2357

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2027

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## 1295

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<210> 2028

<211> 1783

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1296

&lt;222&gt; (1576)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1692)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1694)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1733)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1747)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1772)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2028

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1297

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&lt;210&gt; 2029

&lt;211&gt; 4331

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2029

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gaaactcctc tttccgctta gaggtcccg caggggccca attgctgatg cgacgtcata 2040
gctcctgctt atagtagtct attataagca agttcacagc atcagcattc catgggtggt 2100
taagaacagt tttggcaagt tattaacacc gaatctgaat aatccattca gttatttaaa 2160

```

1298

```

gttggtaaat taattaattg gggatgggtt cttgggttta agtccactga ataaaaacta 2220
tgaaattgca ctctgtgtca accatccact aaggatagaa ataccgaaat ctgtgcatgc 2280
aaaaatagga gatgggcccc tttgcacaca attcgtagtt atgcagtctg ctatataaat 2340
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gtgtgacttt ttaaattgtc tagaaattaa aagttgtaca aaaagtgaag aaaaaaaaaa 4320
aaaaaaaaat t 4331

```

&lt;210&gt; 2030

&lt;211&gt; 1234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1058)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2030

```

cgccggccgc gccacgtga ycggtccggg tgcaaacacg cgggtcagct gatccggccc 60
aactgcggcg tcacccgggc tataagcgca cggcctcggc gaccctctcc gaccggccgc 120

```

1299

```

ccgccgccat gcagccctcc agccttctgc cgctcgcct ctgcctgctg gctgcacccg 180
cctccgcgct cgtcaggatc ccgctgcaca agttcacgtc catccgccgg accatgtcgg 240
agggtggggg ctctgtggag gacctgattg ccaaaggccc cgtctcaaag tactcccagg 300
cgggtgccagc cgtgaccgag gggcccatc ccgaggtgct caagaactac atggacgccc 360
agtactacgg ggagattggc atcggggacgc ccccccagtg cttcacagtc gtcttcgaca 420
cgggctcctc caacctgtgg gtccctcca tccactgcaa actgctggac atcgcttgct 480
ggatccacca caagtacaac agcgacaagt ccagcaccta cgtgaagaat ggtacctcgt 540
ttgacatcca ctatggctcg ggcagcctct ccgggtacct gagccaggac actgtgtcgg 600
tgccctgccg gtcagcgtcg tcagcctctg cctggggcgg tgtcaaagtg gagaggcagg 660
tctttgggga ggccaccaag cagccaggca tcaccttcat cgcagccaag ttcgatggca 720
tcctgggcat ggcctacccc cgcatctcgg tcaacaacgt gctgcccgtc ttcgacaacc 780
tgatgcagca gaagctggtg gaccagaaca tcttctcctt ctacctgagc agggacccag 840
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agggtggccag cgggctgacc ctgtgcaagg agggctgtga ggccattgtg gacacaggca 1020
cttccctcat ggtgggcccg gtggatgagg tgcgcganc gcagaaggcc atcggggccg 1080
tgccgctgat tcagggcgag tacatgatcc cctgtgagaa ggtgtccacc ctgcccgcga 1140
tcacactgaa gctgggaggc aaaggctaca agctgtcccc agaggactac acgctcaagg 1200
tgtcgcaggc cgggaagacc ytctgcctga gcgg 1234

```

&lt;210&gt; 2031

&lt;211&gt; 1089

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2031

```

ccacgcgtcc gataagcacc catgtctttg aatatgaatg tatttgtaaa ataccacgtt 60
tcatgtgtga atatgtgctt ttactgtaca tagtgctatt gtgcaatagg tcttatgctg 120
tttttactca atgtgtgcta agatctagcc ccattgactc ttctagaaat gcagtattgc 180
tttgacctgc catgtggcac tccacaatgt caattgcagt ttacacacat tgcctaaagt 240
gggggacacc tgggtgcccc tgacccttg gcaccggata caggccacga taaacatcct 300
ttcgtgtgtt ccttctgtg cttgtgtggc atgtgtaccc aggatgggccc tatagggtcac 360
agaggtcagt ttctctttgg ttttccagat tttctttaga acggtgactg accctcctac 420
ttgaggccgc ccttttctcc ttatccttgc cagcacttgt attgccagac tacctaattt 480
ttgccagtct catgggtaga tagtggtgca gtgctttaac atacattcat ctgatcagca 540
ttaattttgg gaattttttc acttagcctt tctggtttcc ctctctgtgc attgcccatt 600
ttctcatgga gtttcttate ttttttggtt tattctcagg agttgcttgt acattcttgg 660
gcaattgcag ataattccaa gaatgcata tggggctggg tatggagggt cactggtaat 720
cccagcactt tgggaggccc aggcagaagg atcgctgcag cccaggaggt cgagactagc 780
ctgggcaaca tagcgagacc tcgtctctac aaaaaaaaaa taaaaagggg gctttgggag 840
gccaaggcgg gcagatcatg agggcaggag attgagaccc tctggccaa catggtgaaa 900
ccccgtctct actaaaatac aaaaaattag ctgggcatgg tggcgcacac ctgtagtccc 960
agctactctg gaggtctagg caggggaatc gcttaaacc aggaggcgga gattgcagt 1020
agccaagggt ccaccactgc actccagcct ggcgacagag caaggctcca ctcaaaaaaa 1080
aaaaaaaaa 1089

```

&lt;210&gt; 2032

&lt;211&gt; 983

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 1300

<220>  
 <221> misc feature  
 <222> (323)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (899)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (920)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (923)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (928)  
 <223> n equals a,t,g, or c

<400> 2032  
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 tgaacatgga cacaacaat ggtcaccaag tccctgaaca ggttgtgtga gccccttgag 120  
 gcgttcatcc agcactgttt cggaggaatc tctatttcaa tctattccta tacattagtt 180  
 attgaaaaac aacacacaat cgcaaaaaca agttgacctt tttgtgttcc ttgagaccga 240  
 taatgaaggg ccctcgtgac cggacctcat gccaaacaac tcgttacaaa aagagctagg 300  
 gtcccagctg cgctgaagct tcntgagacc tctcctcatc tgtgcatgga tgagtggccg 360  
 actytgagc ccaggctgtt rcttcctrgt ctggtggtga atcctccata gtctgagagt 420  
 aagatccttg atactggctc agcatggaac atctggcaca cagtatgcac tgaggaaata 480  
 cttgttgga taatcagtga atcatagatg aaaacttaac cttggaatta attatgagac 540  
 tgctcagagg aagagaatgg gagacaaagg acctggtgat tagaccccca agacactggg 600  
 ctgtctgctt gtgtctcggg tggaacaggc ccagcgagag tctttagggc cagaactcaa 660  
 gaatttattg agcccttggt ctaggcactt gggattcacc agtatacaat ggagacaaaa 720  
 atccctgccc tggagcagct tacattctag catggcaaac aggcagtaaa cagcccattc 780  
 tggctgctgt attgagaaga gaatgtggtg gacagatata gaagcatgga aacctgatag 840  
 grctattgca atcactcaga aaagaggcga tggcagcttg gacctgttgg aagcagtana 900  
 gtgccctact cttcagcttn canggganga gaaaggacct gaaagggttaa ttttgatcac 960  
 caatgggcca atgatgtaat cag 983

<210> 2033  
 <211> 722  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

1301

&lt;222&gt; (637)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (675)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2033

```

cgggtcgacc cacgcgtccg cccacgcgts cgscacgcg tccgcggcgc gcggagacgc 60
agcagcggca gcggcagcat gtcggccggc ggagcgtcag tcccgccgcc cccgaacccc 120
gccgtgtcct tcccgccgcc ccgggtcacc ctgcccgcgc gcccgcacat cctgcggacc 180
tactcggggc ccttcgtctg cctggagatt ctggtcgggg gtcttgctg gatcttggtt 240
gcctcctcca atgttctctt acctctacta caaggatggg tcatgtttgt gtccgtgaca 300
gcgtttttct tttcgtcctt ctttctgggc atgttctctt ctggcatggg ggctcaaatt 360
gatgctaact ggaacttctt ggattttgcc taccatttta cagtatttgt cttctatttt 420
ggagcctttt tattggaagc agcagccaca tccctgcatg atttgcatg caatacaacc 480
ataaccgggc agccactcct gaggataaac cagtataaca taaacgtagc agyctcaatt 540
tttgccctta tgacgacagc ttgttatggg tgcaagtttg ggtctggctt tacgaagatg 600
gcgaccgcta acactttctt agaaaactgg cagtcgnatg ttaggtttca ctttgctact 660
ttatatggtc tggancaaatt tttggaataa cccaattttt ggtccaagaa tgccaaaaaa 720
ca
722

```

&lt;210&gt; 2034

&lt;211&gt; 555

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2034

```

gctggcgcgg cggacgggat gaggcgctgc agtctctacg ctttcggtaa cttccggggc 60
ctggcgmttc gtctccttac cctggggcta cccttgcccc gtctactgc ccgcgggttaa 120

```

## 1302

cccgccgcga gccgcctctc ccctccccgc ccgactcaac cctgccctcc cccgtgcttt 180  
gcagacgccg yccggggggc caggcggtg atgcgtgtgg gcctcgcgct gatcttggtg 240  
ggccacgtga acctgctgct gggggccgtg ctgcatggca ccgtcctgcy gcacgtggcc 300  
aatccccgcg gcgctgtcac gccggagtac accgtagcca atgtcatctc tgtcggntcg 360  
gggctgctga gcgtttccgt gggacttgtg gccctcctgg cgtcaggaac cttcttcgcc 420  
ctccactgac tgggtcctgc tggcactagc tctggtgaac ctgctcttgt cgttgccctg 480  
tccctggggc tncctcttgc tgtgtcactc actggggcca acggtggncc gcggcttatt 540  
gntgactggc accca 555

&lt;210&gt; 2035

&lt;211&gt; 1084

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2035

gccatccctg gctgtggcca aaatcatcat cattgaattc aaccccatgt accccaaana 60  
caatgacatc gccctcatga agctgcagtt cccactcact ttctcaggca cagtcaggcc 120  
catctgtctg cccttctttg atgaggagct cactccagcc accccactct ggatcattgg 180  
atggggcttt acgaagcaga atggaggga gatgtctgac atactgctgc aggcgtcagt 240  
ccaggtcatt gacagcacac ggtgcaatgc agacgatgcg taccaggggg aagtcaccga 300  
gaagatgatg tgtgcaggca tcccggaagg ggggtgtggac acctgccagg gtgacagtgg 360  
tgggcccctg atgtaccaat ctgaccagtg gcatgtggtg ggcacgtta gctggggcta 420  
tggctgcggg ggcccagca cccaggagt atacaccaag gtctcagcct atctcaactg 480  
gatctacaat gtctggaagg ctgagctgta atgctgctgc ccctttgcag tgctgggagc 540  
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cccttgggta caccctctg ccacagcct cagcatttct tggagcagca aagggcctca 660  
attcctrtaa gagaccctcg cagcccagag gcgccagag gaagtcagca gccctagctc 720  
ggccacactt ggtgctccca gcatcccagg gagagacaca gccactgaa caaggtctca 780  
ggggtattgc taagccaaga aggaacttct ccacactact gaatggaagc aggctgtctt 840  
gtaaaagccc agatcactgt gggctggaga ggagaaggaa agggctctgc ccagccctgt 900  
ccgtcttcac ccaccccaa gcctactaga gcaagaaacc agttgtaata taaaatgcac 960  
tgccctactg ttggtatgac taccgttacc tactgttgtc attgttatta cagctatggc 1020  
cactattatt aaagagctgt gtaacatmaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080  
aaaa 1084

&lt;210&gt; 2036

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2036

aaacattaca atattctcaa aaaaatccat atccatcacc attgcatatg cagtattact 60  
ggttgttttg atgtaaatga cgtttaaagg tttattttaa aaagtgtgca tattcaacat 120  
aaagaaagaa aaaatctaac gaatttaaag tctgctgtaa tcctagcaca cgtgaacaca 180  
atattaatat cttgggttat ttatctctg atgttcgtga gcatatatat atatatatat 240  
atatatatat atatatatat atatatatat atatatatat atatatatataw 300



## 1303

atccccctcta gcaaattggcc tgtaatatgct tgtaagcatt ttttc

345

&lt;210&gt; 2037

&lt;211&gt; 1214

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1214)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2037

```

tggacgcgtg ggtcgaccca cgcgtccggt caaaaytaac cccctaataa aattaattaa 60
ccactcattc atcgacctcc ccaccccatc caacatctcc gcatgatgaa acttcggctc 120
actccttggc gcctgcctga tcctccaaat caccacagga ctattcctag ccattgacta 180
ctcaccagac gcctcaaccg ccttttcatc aatcgcccac atcactcgag acgtaaatta 240
tggttgaatc atccgctacc ttcacgcca tggcgccctc atattcttta tctgcctctt 300
cctacacatc gggcgaggcc tatattacgg atcattttct tactcagaaa cctgaaacat 360
cggcattatc ctctgcttg caactatagc aacagccttc ataggctatg tcctcccgtg 420
aggccaaata tcattctgag gggccacagt aattacaaac ttactatccg scatcccata 480
cattgggaca gacctagtgc aatgaatctg aggaggctac tcagtagaca gtcccaccct 540
cacacgattc tttacctttc acttcatctt gcccttcatt attgcagccc tagcagcact 600
ccacctccta ttcttgacag aaacgggatc aaacaacccc ctaggaatca cctcccattc 660
cgataaaatc accttccacc ctactacac aatcaaagac gccctcggct tacttctctt 720
ccttctctcc ttaatgacat taacactatt ctcaccagac ctctaggcg acccagacaa 780
ttatacccta gccaacccct taaacacccc tccccacatc aagcccgaat gatatttctt 840
attcgcctac acaattctcc gatccgtccc taacaaacta ggaggcgctc ttgccctatt 900
actatccatc ctcatcctag caataatccc catcctccat atatccaaac aacaaagcat 960
aatatttctc ccactaagcc aatcacttta ttgactccta gccgcagacc tcctcattct 1020
aacctgaatc ggaggacaac cagtaagcta cccttttacc atcattggac aagtagcact 1080
cgtactatac ttcacaacaa tcctaactct aataccaact atctccctaa ttggaaaaca 1140
aaatactcaa atgggcctaa aaaaaaaaaa aaaaaacycg gggggggggc gggtwcccaa 1200
tttccccct aggn 1214

```

&lt;210&gt; 2038

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2038

```

aataatatat cctgtcgtt ttgttttttc tttttaagac ttgggcccggg tgtgggtggct 60
cacgcgttta atcccaaagt gctgagatta cgcgccggcct aaatattact ttcaaataga 120
accatcttca tgggtagcag tttataatac acaagtagaa tttgggaaat gtagtcccag 180
tcttccattc ttcacagtgg atgcttcagc cagtttctct tctctgcaca cacactgccc 240
gacagcgggc tttcccttct ccttcagagc agtagcagtt ccttttcttc attcccaccc 300

```

## 1304

atcacagtgg cagccccctc tgcctcctg tattctgaat cccaccctta taatatgctt 360  
agattttgcc tttctcccag ccgttttctg agcattgttc gtgtgtacca attttttctc 420  
atccttttaa aaaaaaaaaa aaaaactngg gggggg 456

<210> 2039

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<400> 2039

gggtcgaccc acgcgtccga aaaactgttn gggagcttga caaaggcatg caggagagac 60  
aggagcagcc acagccagga gggagagcct tccccaagca aacaatccag agcagctgtg 120  
caaacaacgg tgcataaatg aggcctcctg gaccatgaag cgagtcctga gctgcgtccc 180  
ggagcccacg gtgggtcatg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 240  
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 300  
agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 360  
gggctgctgc tttgactcca ggatccctgg agtgccctgg tgtttcaagc ccctgcagga 420  
agcagaatgc accttctgag gcacctccag ctgccccggc cgggggatgc gargctcgga 480  
gcacccttgc ccggtgtgat tgctgcaggc actgttcac tcactttttg tccttgktcc 540  
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<210> 2040

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

1305

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (566)  
<223> n equals a,t,g, or c

<400> 2040  
gcttntacgc ctgcagcnac cgggtccggaa ttccccgggtc gacccacgcg tcgggcgtccc 60  
ggagcccacg gtgggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 120  
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 180  
agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 240  
gggtgtgctgc ttgtactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 300  
agcagaatgc accttctgag gcacctccag ctgcccccg cggggggatg cgaggctcgg 360  
agcacccttg cccggctgtg attgctgcca ggcactgttc atctcagctt ttctgtccct 420  
ttgtccccgg caagcgcttc tgctgaaagt tcatatctgg agcctgatgt cttaacgaat 480  
aaagggtcca tgctccaccc gaggacagtt cttcgtgcct gagactttct gaggttgtgc 540  
tttatttctg ctgcgtcgtg ggasanggcg gkaggggtgc aggggagagt ctgccaggcc 600  
tyaagggcag gaaaagactc cctaaggagc tgcagtgcac gcaaggatat ttt 653

<210> 2041  
<211> 1916  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1766)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1883)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1911)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1912)  
<223> n equals a,t,g, or c

<400> 2041  
tcccaagaca ggattatgaa tactccacca gctgttgtgt cagtatatga ctgctgctgc 60  
tcctatgcaa gggaacctac attcctcagt acacgcctgt scctccgaca gctgtttcta 120

1306

```

ttgarggtgt tgttgctgat acctctcccc agacagtggc accttcatcc caggacacca 180
gtggctcagca gcaacagata gcagtggaca catccaacga acatgcacct gcatattctt 240
accaacagtc taaaccataa acaggactga agaattgttg tytgaatctt tgccttgaat 300
gaagaaactt cattgaacaa gaagttggct tccagtttgc acagacgtca atggaatgca 360
tttttttght gktgktgktg tttttttttt agtgktatac cttacccaat gaaagcaaag 420
tttttatgtg ctgtgcaaat ggtcttcatg tggctctgaca atttattttt gccatcattt 480
ttttaattaa agaaaaaatt tccagaagag gaaaaaaaaa ctacaaaaaa caaaacattg 540
aaggttgata ttttatgttg aagaacattt gaattgaatt cagaattttt ctgaaggtgt 600
agatactttt tttttttttt ttaacagaaa acctgatgtc aagaggtggg caatagaaat 660
ggaaacaaat tgtcttcctc aataattaa ctactttctc tttttccctt cttgttttaa 720
tctagtgggt tttttatttt attttttctt agaaatatgt aggttaaggtt tatcttgaat 780
cttaattgcc ttaattttta ggacgtcaaa ggctctcgag gcaagctgtc aacgtcttgt 840
tgaaaacaaa aatcaagaaa gaattgaaat actgtgccgg ctttctactgg cacagaagtt 900
taagactatg agtttttagg gtgaagaaaa aactgtacag tttaaatgaa aatgtttttc 960
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gacttttcat gaactttgtc ttaagtgttg acatgaatca ttctaaaagg ctaaaacatt 1080
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ctttttatct gcagttcttt ttatgagctt tacaagttt ttagtcagct ttgcttgtca 1260
cattgcaaaa cctagcttaa gagcattaaa aaaaaaaact taagtagata gkagcttatg 1320
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tttctgtagt ctttcttagt tgtgatcaaa ttcagcctat ggatggccta ttttatacca 1440
aagatgaagt graccctat ttcagtcag aagatagagg ttgttttcca tttcttctct 1500
tttcttttct ttttaagaat tttatttgac ctacatggcc ggaccagttc ttactttgtt 1560
gtttgtttta actaccttcc actgggtgtt tatatactgc aaaacagaac acaacaaaag 1620
gtgttttgtt tttgtttttg ttctgtttc tgtttttgtt tatttgttta catgcatttg 1680
ttggttctag tagaaaagct gcacttgctg tgttcagcag tttctgccgg aagagttckg 1740
gataccaact gacaaagcca aatggmcttt tattcaatct gtgagctttt ctgggtccta 1800
ctagctctct tgaaggkgac acctgtgtgg gatgggccac tgatatgtgg agaccctgg 1860
ttaacaaggt gaaaattcct ttncgggtgg aacctttgga acctaaaagg nncctt 1916

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&lt;210&gt; 2042

&lt;211&gt; 1595

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2042

```

aaatcttctt acacacatct agackttcaa gtttgcaaat cagtttttag caagaaaaca 60
tttttgctat acaaacattt tgctaagtct gcccaaagcc ccccaatgc attccttcaa 120
caaaatacaa tctctgtact ttaaagttat tttagtcatg aaattttata tgcagagaga 180
aaaagttacc gagacagaaa acaaacttaa gggaaaggaa tattatggga ttaagctgag 240
caagcaattc tgggtggaaag tcaaacctgt cagtgtcca caccagggt gtggtcctcc 300
cagacatgca taggaatggc cacaggttta cactgccttc ccagcaatta taagcacacc 360
agattcaggg agactgacca ccaagggata gtgtaaaagg acattttctc agttgggtcc 420
atcagcagtt tttcttctct catttatgtt tgaaaactat tgtttcattt cttcttttat 480
aggccttatt actgcttaat ccaaagtgt accattgggt agacacatac aatgctctga 540
atacactacg aatttgtatt aaacacatca gaatatctcc aaatacaaca tagtatagtc 600
ctgaatatgt acttttaaca caagagagac tattcaataa aaactcactg ggtctttcat 660
gtctttaagc taagtaagt ttcagaaggt tcttttttat attgtcctcc acctccatca 720
ttttcaataa aagatagggc ttttgctccc ttgttcttgg agggaccatt attacatctc 780
tgaactacct ttgtatccaa catgttttaa atccttaaat gaattgcttt ctcccaaaaa 840

```

1307

```

aagcacata taaagaaaca caagatttaa ttatttttct acttgggggg aaaaaaagtc 900
ctcatgtaga agcaccact tttgcaatgt tgttctaagc tatctatcta wctctcagcc 960
catgataaag ttccttaagc tgggtgattcc taatcaagga caagccaccc tagtgtctca 1020
tgtttgtatt tgggtccagc tgggtacatt ttaaaatcct gattttggag acttaaaacc 1080
aggttaatgg ctaagaatgg gtaacatgac tcttggttga ttgttatttt ttgtttgcaa 1140
tggggaatth ataagaagca tcaagtctct ttcttaccac agtcttggtta ggtgggttat 1200
agttcttttg gctaacaaat catttttgaa ataaagattt ttactacaa aaatgaaatt 1260
tgtttggact tccacttgag acagtaaaga gagtattaga caccagtaa aaactgccat 1320
ataaagaagt tgtaattgtt tgttgtgtat gtattttttt caatgccaaa ccagctgtga 1380
tccaattttac atccacattt taggtccaac agcaagaagt tcagagagag atttcccaac 1440
cagacattgg gtcactcact ggtcaccttg ccagtgcatt ttattagaag ggaatctgtt 1500
gtagcaaatg ggaataaacc tgggttttcta tagaccaga actgaaaaaa taaacatcgt 1560
gctgttttta atttgaaaaa aaaaaaaaaa aaaat 1595

```

&lt;210&gt; 2043

&lt;211&gt; 1061

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2043

```

ggccgggac cgggggggcg ggttgggtcta cgctgtgcgc ggcggacgac ggaggcagcg 60
gggagcgag cgggggccgccc ggggcctctc cagggccgca gcggcagcag ttggggcccc 120
cgccccggcc ggccggaccga agaacgcagg aagggggccg gggggacccg cccccggccg 180
gccgcagcca tgaactccaa cgtggagaac ctacccccgc acatcatccg cctggtgtac 240
aaggaggtga cgacactgac cgcagaccca cccgatggca tcaaggtctt tcccaacgag 300
gaggacctca ccgacctcca ggtaaccatc gagggccctg aggggacccc atatgctgga 360
ggtctgttcc gcatgaaact cctgctgggg aaggacttcc ctgcctcccc acccaagggc 420
tacttctctga ccaagatctt ccacccgaac gtgggcgcca atggcgagat ctgcgtcaac 480
gtgctcaaga gggactggac ggctgagctg ggcatccgac acgtactgct gaccatcaag 540
tgctgtctga tccaccctaa ccccgagtct gcaactcaac aggaggcggg ccgcctgtct 600
ttggagaact acgaggagta tgcagctcgg gcccgtctgc tcacagagat ccacgggggc 660
gccggcgggc ccagcggcag ggccgaagcc ggtcggggcc tggccagtgg cactgaagct 720
tcctccaccg accctggggc cccagggggc ccgggagggg ctgaggggtc catggccaag 780
aagcatgctg gcgagcgcg taagaagctg gcggccaaga aaaagacgga caagaagsgg 840
gcgctgcggc ggctgtagtg ggctctcttc ctcttccac cgtgaccca acctctctct 900
tccccctcct ccaactctgt ctctaagtta tttaaattat ggctggggtc ggggagggta 960
cagggggcac tgggacctgg atttgttttt cttaaataag ttggaaaagc aaaaaaaaaa 1020
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa agtcgtatcg a 1061

```

&lt;210&gt; 2044

&lt;211&gt; 653

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2044

```

ggcacgagcg gatgctcaac ctactgacc ggcaagtcaa aatctgggtc cagaatcgca 60
ggatgaaaga aaagaaactg aacagagacc gtctgcagta ttacttga aaaccttat 120
tttgagagct ccaggaagcg cctcaccctc agccccactc acccaccctc ctccccacca 180
gcctgtctct cgcagccctc tgccttggg tttaatgacg tctcttctct gtggaayttc 240
acgattcctt cccacgggtc actcgggacc tcccagcgac cactgcagcc tgcggacgag 300
gccgggactt ggccgagcgg atcctaataa ggggaaaatg gtaaatgcaa acgtcccgtt 360

```

## 1308

```

acaatttttac cgccagtgtg ctgtcgttcc ccctcccmt ctcgaggtcc tcgtggggac 420
acggcggggt ctgtaggaag ttggggcggg ttgggggttg ctagaaggcg ctggtgtttt 480
gctctgagtt ttaagagatc ccttccttcc tcttcggtga atgcaggtta tttaaacttt 540
gggaaatgta ctttttagtct gtcatatcaa ggcatgagtc actgtctttt tttgtgtgaa 600
taaattggttt ctagtaaaat gaaarwaaaa aaaaaaaaaa aaaaaagtcg acc 653

```

&lt;210&gt; 2045

&lt;211&gt; 356

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2045

```

cggggcagaa agggcgcaaa ktgttggttaa aaaagcagac atgatcaacr raaatatgac 60
tcatcaggtc caagctgaga gagatgcact ggcactaagc aaaagcccat tcattgkcca 120
tttgtattat tcaactgcagt ctgcaaacaa tgtctacttg gtaatggaat atcttatttg 180
gggagatgtc aagtctctcc tacatatata tggttatttt gatgaagaga tggctgtgaa 240
atatatttct gaagtagcac tggctctaga ctaccttcac agacatggaa tcatccacag 300
ggacttgaaa ccggacaata tgcttatttc taatgagggg catattaaac tgacgg 356

```

&lt;210&gt; 2046

&lt;211&gt; 1439

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2046

```

tcccagctgg ccctgccct ctaccctccc tgctgagca cttacctcct tagatggagg 60
ccgagacccc aagtactgag gtgccacctg acccagagcc tgggtgtacc ctgacacccc 120
catccaaca ccaggaggcc ggtgctgggg acctgtgtgc actttgtggg gaacacctct 180
atgtcctgga acgcctctgt gtcaacggcc atttcttcca ccggagctgc ttcgctgcc 240
atacctgtga ggccacactg tggccagggt gctaygagca gcaccagga gatggacatt 300
tctactgcct ccagcacctg cccagacag accacaaarm ggaaggcagc gatagaggcc 360
ctgagagtcc ggagctcccc acaccaagtg agaatagcat gccaccaggc ctctcaactc 420
ccacagcctc gcaggagggg gccggtcctg ttccagatcc cageccagcc acccgctggc 480
agatccgcct ctccagcccg gagcgccagc ggttgctcct ccttaacctt acccctgacc 540
cggaaatgga gcctccaccc aagcctcccc gcagctgctc cgccttggcc cgccacggcc 600
tggagagcag ctttgtgggc tggggcctgc cagtcagag cctcaagct cttgtggcca 660
tggagaagga ggaaaaagag agtcccttct ccagtgaaga ggaagaagaa gatgtgcctt 720
tggaactcaga tgtggaacag gccctgcaga cctttgccaa gacctcaggc accatgaata 780
actaccaac atggcgtcgg actctgctgc gccgtgcgaa ggaggaggag atgaagaggt 840
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ggcagctgga ccaggagcta cgaggctaca tgaaccggga agaaaaccta aagacagctg 1140
ctgatcggca ggctgaggac caggctctga ggaagctggg ggatttgggt aaccagagag 1200
atgccctcat ccgcttccag gaggagcgca ggctcagcga gctggccttg gggacagggg 1260
cccagggcta gacgaggggt ggccgtctgc tttcgttccc acaaagaaag cacctacccc 1320
cagcacagtg ccacccctgt tcatctgggc tgctggcag agagccttgc tgtttacaat 1380
taaaatgttt ctgccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1439

```

&lt;210&gt; 2047

## 1309

<211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (576)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (584)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (585)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (586)  
 <223> n equals a,t,g, or c

<400> 2047  
 cctgcaggta ccgggtccgga attccccgggt cgacccacgc gtccggaaga atttaaactw 60  
 agagaatgat taataaagtg gaaaatatcc aaagagtgtg aaataatttg gggagaaagt 120  
 tgcaaaatgt ggagtttctt tacaacaaat attttcagtc catcagatgt ctacatgttt 180  
 tatgatctaa aataccagac aatgggtctgt gatatcatgg gactaccatt agcccagaaa 240  
 aggttgcttc tttcatctgc ttgcctaata accataggct ggtcattact ttctctgaac 300  
 ttttattttc tcataattct gggttgctata agactcaaga gagaatgcac atgggaaagg 360  
 attttaaaaa ctgatcaatc tgtaaaatgt catgtattgg aaaagataaa gtaaaattca 420  
 taccagtatc ctaagtctcc actaaatgat aaaaaccgta cataattatg tctgttgatt 480  
 cccatagtaa ccatatgaaa cagatatattat tcctatctca aatttaggga taaaaaccag 540  
 taggactgag gacattaagt aaattatcac agctcncsgg gggnnn 586

<210> 2048  
 <211> 895  
 <212> DNA  
 <213> Homo sapiens

<400> 2048  
 gcctgcagggt accgggtccgg aattccccggg tcgacccacg cgtccgcgaa aaatcagttk 60  
 gcaatataca gtgtgggaac tgtactgtga tcattgggta accaagatgg gtgacagttt 120  
 atgatttcaa agactcaaaag gcggcttgag tcctacaatg tcctactcat aaaaatggaa 180  
 agcatggcag cctcagggtt ttacagagta ctctactcca aagtaaaagt tattctctga 240  
 gaaagtgtt actgcctttt ctgttctcta gtttgcttgt ttaaacattt actccacaaa 300  
 attgctcaaa cttacccatc tttgaatatc tagcctctgg gatgagacag atgatctttc 360  
 tccgtttttca ctttttatag aatacagcta cctaccagg caatatgaag attttatttg 420  
 tagaacctgc cattttcctt agtgcatttg ctatgacttt gaccgggtcca ctgacaacgc 480  
 aatatgttta tcggagaata tgggaagaaa ctggcaacta cactttttca tctgatagca 540

## 1310

```

atatttctga gtgtgaaaaa aacaaaagca gcccaatttt tgcattccag gaggtaagaa 600
attacaatat ccatagtatt taataaaatg ggaatgtata ccgggctttg agtcaaagag 660
gaccgtgaac tcatcatcca ttggtctctc tagggcggcc atcaaagtcc taaatcccaa 720
acctaattggc ctttactggg aactcacctc atttgaagtt tctgacacc tttcaaattc 780
gcctcttctt cttaaaacac cctcctgctc tgtgacacta gctcttctcc tttctctcgg 840
aaaatttcac cacagtgtca tctcttctgt ggctgtctcc ttgctttgtc ctaaa 895

```

&lt;210&gt; 2049

&lt;211&gt; 143

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2049

```

tttatgatat ggaattcaat acacccttc agtggtataa agacattcct ggatttcttt 60
aggatagggt cagagttggt ttactatctg gccttcagtt tttaaaaggg gcgattcttt 120
gatatagcan tagcgtcaat ttt 143

```

&lt;210&gt; 2050

&lt;211&gt; 576

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (573)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (574)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (575)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (576)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2050

```

gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgktct gcaggaattc 60
atatgatgcc gcccgtaac tcgacaagct ttacgtgacg gggctatagc tcagctggga 120
gagcgcttgc atggcatgca agaggtcagc gggtcgatcc cgcttagctc caccaaattt 180

```



## 1311

```

tgcacccagc aaacttggtg cgtaaacgca tcgtggggct atagctcagc tgggagagcg 240
cttgcatggc atgcaagagg tcagcggttc gatcccgctt agctccacca aatttccaac 300
cctcgctgca aagsgggggt tttttgtctc tgctttttgc cgcttttgta atacagtcta 360
cgtcgggggt agtgccgcct ggtgaaagca tcattggatg aaaaatcggc aacaggctgg 420
ccccctgttt gcttcgcgat gcgaataaac ttattatttg tgtgcctgaa aaccccgatc 480
agtgagagta gtgtactcat gtttgtggag cataacctga taaaaaatat caagatatc 540
acactagcgt ttacgctcac cgtgtmcggg ggnnnnn 576

```

<210> 2051  
 <211> 580  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (577)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (578)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (579)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (580)  
 <223> n equals a,t,g, or c

```

<400> 2051
gagctccacc gcggtggcgg ccgctctaga actagtggat cccccggtct gcaggaattc 60
ggcagcagta acaaacctta cctttgttta aggtgctttt tctggctctc tgccattaag 120
atctacattt tccacctgt ctctctagg acctgagggt tatctctttg atatgcaaat 180
gccagggaga ttactcacca gaagaagaag aagaaataga gctaattgga aattgagcaa 240
ataaaaaaat cttgtttttt ctcccagaaa cagtgaaaag ctttagccat ctttagata 300
atcttaactt gttccatctg ccagaaacac aatttggatt cagaaattct ttatgaactg 360
ttttgtatt attgtacctg gcacatggct acagttttca aatgaaaact gtgaaatctg 420
cttctgtctg tattttatgt atgtctgtgt atgcatgtat gtgtaatat tttctacctc 480
tagagactat cctaaaatta acttataaag agctgtattt aattgcctta aagaaaaagc 540
acttatacaa attaagtatt ttttaaacyc gggggggnnnn 580

```

<210> 2052  
 <211> 571  
 <212> DNA  
 <213> Homo sapiens

<220>

1312

<221> misc feature  
 <222> (487)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (525)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (561)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (571)  
 <223> n equals a,t,g, or c

<400> 2052  
 gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg wtggagaaag 60  
 ctcccagtg ggaactgggc ttctggagac tctgtgtggc atagagtgat tcaaccacct 120  
 taagaagacc tctggctttc ctggaacaca gatgtcgaga catctcccat ggatttgtga 180  
 tcagcgttgc agctctccca gcagccctgg acggtgactc tcctctcttg gaatgcatcc 240  
 tgaagcagct gaaaaggggt gccccgggccc cagcagggag caaaatctgg tgatattgct 300  
 tctgaacatc ccacatgtgc cacacacgtg cccccccca cacacacaca tgcacactca 360  
 catgcacact cacatgcaca ctcacatgca cactcacatg cacactcaca tgcacactca 420  
 catgcacact cacatgcaca ctcacatgca cacacagcct ggactctgtt ccccttatgc 480  
 ccctggnacc aactccatc aaagccattg acctttatat ccccntgtgt cttcagtaag 540  
 aaggtatatc aggccagacc nccggggggg n 571

<210> 2053  
 <211> 807  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (57)  
 <223> n equals a,t,g, or c

<400> 2053  
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 ggcacgagct cgtgccgaat tcggcacgag aaaagatatatt gtatatgaac ttcaactcta 120  
 caactcagta aaatgaactg tgatcaggag aataaggaaa tgttcagtggt attacttggt 180  
 ggttgtaatc aatggaaaca ctaaaaacat aaaatatgca tgcactatgc ttccttaaag 240  
 taaaattttc ctttaccagg aggagaaaag caaagagtag caattgcaag agccattttg 300  
 aaggaccccc cagtcatact ctatgatgaa gctacttcat cgttagattc gattactgaa 360  
 gagactattc ttggtgccat gaaggatgtg gtcaaacaca gaacttctat tttcattgca 420  
 cacagattgt caacagtggg tgatgcagat gaaatcattg tcttggatca gggtaaggta 480  
 gccgaacgtg gtaccaccca tggtttgctt gctaaccctc atagtatcta ttcagaaatg 540

## 1313

```

tggcatacac agagcagccg tgtgcagaac catgataacc ccaaattggga agcaaagaaa 600
gaaaatatat ccaaagagga ggaaagaaag aaactacaag aagaaattgt caatagtgtg 660
aaaggctgtg gaaactgttc gtgctaagtc acataagaca ttttcttttt ttgttgtttt 720
ggactacata tttgactga agcagaattg ttttattaaa aaaatcatac attcccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaa 807

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&lt;210&gt; 2054

&lt;211&gt; 843

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2054

```

cccatacctga tccaagtgcc cttattcaag gtgttgctga tattttgncc ttcactgccc 60
actcatartg argcaaatta ycattttctg kgaacacagc tcagattttg gctggaatgg 120
ctatggctta tgcagtggca acttcttggt gtagtcttwt tgcaaactct gattcttcag 180
caatatcaac gttttaacat gtcacctca gcaaaagtta agacagctgt aaatggactg 240
atctacaaaa aggccctact tttatcaaat gtttctcrac aaaagttttc cactggggaa 300
attattaact tgatgtcagc aactcatgga cttgacagca aacctcaatc tcctctggtc 360
tgccccctttt caaatcctaa tggccgtata tctccttttg caagagctgg gtccagcagt 420
gttagcaggg gtggcagtc ttgtgtttgt tataccaata aatgctttag ctgcaactaa 480
aataaaaaaag ttaaagggtgt ccctggcaac cttgtgtgtc tatttcttac tggatgaagg 540
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ccgtttggaa gactttctca aactgagga gcttcttctt caaagtattg aaacgaacta 720
tacaggagat catgctattg ggtttacaga tgcttctttc tcctgggata aaacaggaat 780
gccagttcta aaagaggctc tgtggcctat gkttctcaac aagcctggat tcaaaattgc 840
cgg 843

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&lt;210&gt; 2055

&lt;211&gt; 753

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2055

```

gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtccggcca aatgctatca 60
tgaacgtagg aaacttgatt tttttgtttt gatcatggcc tctacatgca cttttccaga 120
gtggtctctt ctcaggccct ttttagtccc ttcccaaagc tgccccacc accctgctcc 180
tctggcctca gtgcacagtg gccccagcc tcggccaggc ctgctctgct cagcgccac 240
cgcccaccac cctcctgtct tccccgagcc tgacctgtt ccgcccactg gcaatcaggg 300
ctgcgcactt cctgtctcac ggtccccagg ccttctgtc ttgtcccttt tgatcattat 360
taactcaggg tttcagctcc aacctcgctg agttggtgca gctccaggtc attcctgggg 420
tgggaatcgg atcatccctg actcagcttw taccttaatt ttatttgcag aggattcttt 480
tctcaaaatg ctctggcatt tggacacaca tcacatgtcg atatttgcag aggagtcatt 540
ttcagtggaa taacattttt aatgtgtggt tttacgggtc aagggaactac ttgatgattt 600
tgaggaaaca cttgccagaa actaaattaa cgaataaaaag atttcagtc cggaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720

```

1314

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa

753

&lt;210&gt; 2056

&lt;211&gt; 4016

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2056

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cngacactat ntaaggtacg cctgcagggtg accggtaccg gaattcccgg gtacgaccca 60
cgcgtccgtt tctgaagcaa tgttaatcct actagccaag catatcactt agtccccact 120
gtgagatgag ggatatgtgc ttaaattgtg aaacaaatat atgagtcagg tatttttctt 180
ttgagtccaa gtggtttatg actttctttc ctgtgttctt tgtatatgtg ggagttttat 240
aattttttat caagaatgaa aggttggcct gtgttcttac tgggtgcaggc tgtcacattt 300
ctctctgttg cccagtcagg tgctatggca tgtgctgctt ctggcgtagt gtactctgtg 360
gatgtaccag catgttcttc aaggatcatga ctgattttcc agacctttgg aattgagata 420
aatgttaaat ttgtagctat ctctgaattt cttccagata cttttcttca tttgtttgtt 480
tgtagggtaa acatacctga tagcagcaat ttaagcatac ccttagaatg accatgtatg 540
gccagtgcac ctgaatgtgt gttccaaggt agggaaatcca ggaatggcca actcggagat 600
tcatttcctta ctatgataaa tatctgagcc ccctgctcat cctgtggaac atgggcttat 660
tggggattaa ggccctgagt tttagggttaa atgaagggtta ccagatggag gtcattaggg 720
ggagggtgtt aaatgaaaat gctttataaa ctgcatgctg tttgcaagca gttgcagttt 780
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cctcttgaac ctagtgccct ccctgctgag gttaataggg gtacagcaca acagtgttgt 1020
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atttgaaaaa tcatttgggt agcaggatct ctgtaaagtt atatgggcca cgtatacaag 1740
acgtaactga agaaaattaa ttcaacagag catgccgtac ttgaacgaca tagagattta 1800
ctcgaactga actaactcaa gctgcagaac tccgagcaag cctggattgt aaagtctggg 1860
tgaaaataga tggagtatgc ctgactgaac ctctgtactg ccccatatgc tatacagggtg 1920
ggggattgga tggctgttag gtgatcattg cattctcttt tggatcccta ttgagaagaa 1980
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1315

```

atgataagag agggaaagga tatggggcaa gaacagtctg aaaaagaaag gataaagttc 2040
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ggatataata agcaaaggac tcttggaatg tgttcttggc tcttagcccc acctctgact 2160
ttgagcaaat cagctgattt ctctgcctgt aaaataatag tccctctgat attaatactt 2220
acctcatgag gttattttaga ggatagtgtt ggtaataatg ctttgtgttt acatcattcc 2280
tttcacagag agctcaaagc actttacatg cattgagaga gaagcttctc gtgaagagta 2340
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&lt;210&gt; 2057

&lt;211&gt; 587

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (540)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1316

<221> misc feature  
 <222> (541)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (542)  
 <223> n equals a,t,g, or c

<400> 2057  
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 aaagggttac taactttaaa acttttaaata aagttgccct gtgttgggga agaaatctgg 180  
 caatcctagt tactttgaag tcacgctacc ctttttcaact agagtctccc tgacccaaga 240  
 gaacagggaa gggccggtag gatacacata acagtagctc cttttacttg gctggattta 300  
 ggtagccag gagcagggtg cagtattagg ccagaaatct ctgttgggtc ctgcttgcc 360  
 ctgagtgcta atgtggtcag ctctccttga ctgtagacca tccagccaaa tccaagctct 420  
 gcttttctct tttggactca ggaccatta aactcagtaa cctcattaaa ttctgcctgc 480  
 acatttctcc tttcttttct tttctttttt ttttttgaga ccatgtctca aaaaanaaan 540  
 nmaaaatata tatatatata gagagagcga gccgagagag agagaga 587

<210> 2058  
 <211> 1063  
 <212> DNA  
 <213> Homo sapiens

<400> 2058  
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 cccgcccggg agccagattt tgtggaagta taatactttg tcattatgag atgtcgtctc 180  
 tcggtgcctc ctttgtgcaa attaaatttg atgacttgca gttttttgaa aactgcgggtg 240  
 gaggaagtgt tgggagtgtt tatcgagcca aatggatc acaggacaag gaggtggctg 300  
 taaagaagct cctcaaaaata gagaaagagg cagaaatact cagtgtcctc agtcacagaa 360  
 acatcatcca gttttatgga gtaattcttg aaacctccaa ctatggcatt gtcacagaat 420  
 atgcttctct gggatcactc tatgattaca ttaacagtaa cagaagtgag gagatggata 480  
 tggatcacat tatgacctgg gccactgatg tagccaaagg aatgcattat ttacatatgg 540  
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 atggagtatt gaagatctgt gactttgggt cctctcggtt ccataaccat acaacacaca 660  
 tgtccttgggt tggaaactttc ccatggatgg ctccagaagt tatccagagt ctccctgtgt 720  
 cagaaacttg tgacacatat tcctatgggt tggttctctg ggagatgcta acaaggagg 780  
 tcccctttaa aggtttggaa ggattacaag tagcttggct tgtagtggaa aaaaacgaga 840  
 gattaaccat tccaagcagt tgccccagaa gttttgctga actgttacat cagtgttggg 900  
 aagctgatgc caagaaacgg ccatcattca agcaaatcat ttcaatcctg gagtccatgt 960  
 caaatgacac gagccttctg acaagtgtaa ctcatccta cacaacaagg cggagtggar 1020  
 gtgcsaaatt gaggcaactc ttgagaggct aaagaaacta gag 1063

<210> 2059  
 <211> 2716  
 <212> DNA  
 <213> Homo sapiens

1317

&lt;400&gt; 2059

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ttgtaagatg ttaaaatctc aagaaaatth cacagagcta aagaaatgat gtcaaattag 180
tcacattaag ctatagtaga aggaattgga cacttctcca gatatttggc ttcaaaggag 240
tacctttact tacatgtgct ttatggtaag tacattgaat tttactttta atgcatttta 300
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gctatcagta gtaccaaagg atctttttac aaggcttcct gtgggtattga ctctgagaat 420
aacacatagt gaagatctgt gggcttttaa aattgttcac agccaattta agaagacccc 480
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cacatgtaca tacatggacc tcattcagaa gtccatgttg tagcagttag aatttgarta 1140
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aattttattt ttgttacatt aatattagtt aagatatggg cacttgaatt ttttgtattt 1260
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ttaattacc attattttat ttagttactt aattttgagt tcataaatgg ccacccta at 1800
ggaaagtttg ggtatgatct taggttttat ggagatgttt tcaatagaga ttatttttcc 1860
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atgtattthaa tatatattht gtttttaata aaagataaaa ttattacaga aataattgag 2640
agagagaaaa tctattataa tttatttgaa aaataaaaaa ttttatccag taaaaaaaaa 2700
aaaaaaaaag gcggcc 2716
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&lt;210&gt; 2060

&lt;211&gt; 2013

&lt;212&gt; DNA

1318

&lt;213&gt; Homo sapiens

&lt;400&gt; 2060

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cttccggctg gcggtgagtg gggagtgagg tccgatcccg tggggctatg taggggaagt 60
tggtggctgc agctgccgtg gttttctcct ggtgtccagc agaaacggcg gcggcgcaag 120
gtgtggctgg gccaaaccag gatctcccag gaccctccgc tctgcgcgac aagggggccc 180
cgcttgccaa ggccgacggg caggagtgaa cgtggcctcc gtgggtctgc agccccgata 240
ggccaattgt acagaattta aaccgtctct cagatgtgta cagtagaact caagaagaca 300
gactaccaag ggtcatctga agtcgtgatt gggtcactaa taacaccagg acaaagttaa 360
gggatcacta ctcaagcata agccccagtt ttcataagac tgctgtgaag atgtttgata 420
taaaggcttg ggctgagtat gttgtggaat gggctgcaaa ggacccttat ggcttcctta 480
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tggccaagat gattgaggcc agggagaagg agcaaaagaa gaagcaaaaa cgccaagaaa 600
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 2013
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&lt;210&gt; 2061

&lt;211&gt; 2595

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1009)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2456)



1319

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2471)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2507)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2535)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2593)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2061

```
ggcatcccta atctgaaaat ccaagattaa atgctccaat tagcatttcc tttgagcgtc 60
atgttagagt tcaaaaagtt tcagattttg ggttttcaga ttaggaatac ccaacctgta 120
tgtacgtata tttctgtatc tatgtatgta tatatatgca tatgcagaca tatgtatatg 180
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agagaatcta atctaattgt ttttataaaa attattccct attgaatatt tatataatga 360
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aaatgcataa atgagattct ataatgttta ctgatcttta tattacagat tttctcttct 480
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ataattagtg ccaaccatta gtctcgttca tttttttaca ccaggagtca acaaactgtg 600
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gccatgttca tttggacatg tattgtcttg gcttcttttg tgctgcaactg gcagaattga 720
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cagatctctt acgtgtgttg atgggtat tttcattcta caatccatga tggattgtac 960
acacgtgtat tctatgaggt tgacctgcc taatttat agcccattn cagagttttt 1020
gattacttat ttctcccca cacacat tttgctaaaaa acggagaggg aactgttatc 1080
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## 1320

```

aatacttccg agaagcagac cagcataatc ttttaagtgc acaggcccag gagccagggtt 1140
cctgcatttg attcctggct ccactctcta ccctctgcat ctgctgagca agttatttgg 1200
tctcatctat tctggtttct catctacaaa agggagatga tgatagtacc ctacccccat 1260
gcatttggtg tgagaagtgt gtgtgtgtta aacccttgga actgcatgga cagaycaagt 1320
gctgatgaat ttatrcgggc ctcgatcccc tgagcctgcc tggttccctt gtgctgggtg 1380
tgggactgtg gtgggagatt tctgtcagct ggaagtcttt tccagaaggg tgtagagat 1440
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cccacagtgt agacacactg gtcccaaaga cccctcagga tgtgcctccc ttctcagatc 1920
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caaggcttag agnaa 2595

```

&lt;210&gt; 2062

&lt;211&gt; 554

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (527)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2062

```

ggtagatttg tatattatca aaatgttctt attgtaacaa cttactaat actaaaatgg 60
ataaaggaaa agtcaatctc ctggtagtag ccctccattc ttaacctctg aagtaacttg 120
tggttaagtga caattgtgta tcttactgat atacaacttt ttcactgtca taaaacatc 180
cccaaggggtg tttgtttctg aaaatattac agcattgata ttctgcacat tccgtagctt 240
gcttttaatca ctcaatatgt tataaacacc ccttcgtgtt aatagaaata atactaactc 300
atcctttttta ataaccaaag tatggktata tcataatcta ttataccatt caaatgttac 360
ttccagtttt gggggatttt ttttttttgg tctttttgct gttgktgttc attttttact 420
attccaaaaa tgcttcaaca aatattcttt tacagattga atgttgctta tccaaaatac 480
ttgggaccag aagtcttggg gatctctgat tttcagatta gggatgntca mcctgtatat 540
acctccttac acac 554

```

&lt;210&gt; 2063

&lt;211&gt; 1848

1321

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (969)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1822)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2063

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gggaaccgcc ggctgtgggg ttggaaccgc cggtgtgag ttctctcact gcttggagga 60
agatgagaat tctcagaggt ctttatgctg ccctttttgc tgcagtcttg acatcttaac 120
gtggatagaa aaaggccgtg cagcatcgaa gacaggagga actggagcct cattggccgg 180
cccggggcgc cggcctcggg cttaaataag agctccgggc tctggctggg acccgaccgc 240
tgccggccgc gctcccgtg ctctgcccgc gtgatggaaa accccagccc ggccgccgcc 300
ctgggcaagg ccctctgcgc tctctctctg gccactctcg gcgcgcgcgg ccagcctctt 360
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aagtggagcc agacggcctt cccaagcag taccctctgt tccgcccccc tgcgcagtgg 480
tcttcgctgc tgggggcccgc gcatagctcc gactacagca tgtggaggaa gaaccagtac 540
gtcagtaacg ggctgcgcga ctttgccggag cgccggcgagg cctgggcgct gatgaaggag 600
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cccagcggca ccgggcagac gtcggcgagg ctggagggtg agcgcaggca ctgcgtggtc 720
tcgtttgtgg tgcgcacgtg gcccagcccc gactggttcg tgggcgtgga cagcctggac 780
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tctcccaggg gcgcacccaa gcggggggcca cttgagaagt gaataaatgg ggcggtttcg 1740
gaagcgtcag tgtttccatg ttatggatct ctctgcgttt gaataaagac tatctctgtt 1800
gctcamaaaa aaaaaaaaaa anaaaaaaaa ttgggggggg gcccggta 1848
```

&lt;210&gt; 2064

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1322

<220>  
<221> misc feature  
<222> (464)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (479)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (482)  
<223> n equals a,t,g, or c

<400> 2064  
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gcgtccgccc acgcgtccgc ccacgcgtcc gctgtgtcgt aaaatggggg tcccttactg 120  
cattatcaag ggaaaggcaa gactgggacg tctagtccac aggaagacct gcaccactgt 180  
cgccttcaca caggtgaact cggaagacaa aggcgctttg gctaagctgg tggaagctat 240  
caggaccaat tacaatgaca gatacgatga gatccgccgt cactggggtg gcaatgtcct 300  
gggtcctaag tctgtggctc gtatcgccaa gtcgaaaaag gcaaaggcta aagaacttgc 360  
cactaaactg ggttaaatgt acactgttga gttttctgta cataaaaaata attgaaataa 420  
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cnattgg 487

<210> 2065  
<211> 575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2065  
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ggaaaagacg cagagaagta aaagatcaaa gtctgattgg caccggctcc cattccggct 180  
ccagcctcca atccgacccc catttcggct gcagcctcgg acctagctcc ggccctcggg 240  
ctatccgggt gcatectccc tccctgttcc ggatcttata ttgcgccasg cctactccag 300  
gatcccgtag ccagacctca agccatggct ggtcccttct cccgtctgct gtccgcccgc 360  
ccgggactca ggctcctggc tttggccgga gcgggggtctc tagccgctgg gtttctgctc 420  
cgaccggaac ctgtacgagc tgccagtga cgacggaggc tgtatcccc gagcgctgag 480  
taaccagaac ttccgaaagc acaacaattg catggccatc acttgancca gcatttatgc 540

1323

aagggtttgga aaagacaaac cattggtttg aagta

575

&lt;210&gt; 2066

&lt;211&gt; 786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2066

```
cgacagaagg gtacggctgc cagaagacga cagaagggtta cggctgcgag aagacgacag 60
aagggtacgg ctgcgagaag acgacagaag ggggctcttc ctcgtttgcc cctcgtgttc 120
atgggagctc gttttctttt cctctaggca gagaagaggc gatggcggcg atggcatctc 180
tcggcgccct ggcgctgctc ctgctgtcca gcctctcccg ctgctcagcc gaggcctgcc 240
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ccgtcttcat tgtggagatc tccctgacat gcaagaacag ggtccagaac atggctctct 360
atgctgacgt cgggtgaaaa caattccctg tcaactcgagg ccaggatgtg gggcgttatc 420
aggtgtcctg gagcctggac cacaagagcg cccacgcagg cacctatgag gttagattct 480
tcgacgagga gtcctacagc ctctcagga aggctcagag gaataacgag gacatttcca 540
tcatcccgcc tctgtttaca gtcagcgtgg accatcgggg cacttggaac gggccctggg 600
tgtccactga ggtgctggct gcggcgatcg gccttgtgat ctactacttg gccttcagt 660
cgaagagcca catccaggcc tgagggcggc accccagccc tgcccttgct tccttcaata 720
aacatcacag gacctgggac tgcacaggaa aaaaaaaaaa aaactcgrgg ggggcccggg 780
acccaa                                           786
```

&lt;210&gt; 2067

&lt;211&gt; 2021

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2067

```
gtcccccgcg keckcttcgc ttttgtggcg gcgccccgcg tcgcaggcca ctctctgctg 60
tcgcccgtcc cgcgcgctcc tccgacccgc tccgctccgc tccgctcggc cccgcgcgcg 120
ccgtcaacat gatccgctgc ggctggcct gcgagcgtg ccgctggatc ctgcccctgc 180
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ctgctgtgtt ccagatcatc tccctggtaa tttaccccg gaagtacacc cagaccttca 540
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atgaccttct gggcaatgcc aagcccagg atctctacac atctgcctaa cttgggaatg 720
aatgtgggag aaaatcgctg ctgctgagat ggactccaga agaagaaact gtttctccag 780
gcgactttga acccattttt tggcagtgtt catattatta aactagtcaa aaatgctaaa 840
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gttttgtgaa gttgtgtctt ttcactaatt acctatacta tgccaatatt tccttatatc 960
tatccataac atttatacta catttgtgaa agaatatgca cgtgaaactt aacactttat 1020
aaggtaaaaa tgaggtttcc aagatttaat aatctgatca agttcttgtt atttccaaat 1080
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ttaaggaaag caaaatcatt tcctaaatgc atatcatttg tgagaatttc tcattaatat 1260
cctgaatcat tcatttcagc taaggcttca tgttgactcg atatgtcatc taggaaagta 1320
```

## 1324

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ctatttcatg gtccaaacct gttgccatag ttggtaaggc ttctctttaa gtgtgaaata 1380
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attaataaat ctgtagtggt ttgtgtttat atgttcagaa ccagagtaga ctggattgaa 1500
agatggactg ggtctaattt atcatgactg atagatctgg ttaagttgtg tagtaaagca 1560
ttagggagggt cattcttgct acaaaagtgc cactaaaaca gcctcaggag aataaatgac 1620
ttgcttttct aaatctcagg tttatctggg ctctatcata tagacaggct tctgatagtt 1680
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tgaaaaccaa ttcattttta atatcagatt attattttgt aagttgtgga aaaagctaata 1920
tgtagttttc attatgaagt tttcccaata aaccagggtat tctaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcgt a 2021

```

<210> 2068

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<400> 2068

```

gggaatcttc atgggaccc acgggacttc tactcaccac tgggtgcctga cagcatgaaa 60
tttgagattg gagaggctct ttacttgggc attatttctt cctgttctc cctgatagct 120
ggaatcatcc tctgcttttc ctgctcatcc cagagaaatc gctccaacta ctacgatgcc 180
taccaagccc aacctcttgc cacaaggagc tctccaaggc ctggtcaacc tcccaaagtc 240
aagagtgagt tcaattccta cancc 265

```

<210> 2069

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

1325

<221> misc feature  
 <222> (49)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (67)  
 <223> n equals a,t,g, or c

<400> 2069  
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 ccaaagntcc cagcctaggc ccttaatctt gctgttattt tccatggact aaaggtctgg 120  
 tcatctgagc tcacgctggc tcacacagct ctaggggcct gtcctcttaa ctcacagtgg 180  
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 ccaacccttc ttgcctgggt aggagaggct aaagatcacc ctaaatttac tcctctctct 360  
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 cttcttgacac tgtcccaaaa cttgctgtca attccgagat ctaatctccc cctacgctct 480  
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 gtagatcatt ctcaacttcaa attcctgggg ctgatacttc tctcatcttg caccccaacc 600  
 tctgtaaata gattttaccgc atttacggct gcattctgta agtgggcatg gtctcctaata 660  
 ggaggagtgt tcattgtata ataagttatt cacctgagta tgcaataaag atgtggtggc 720  
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<210> 2070  
 <211> 2620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (26)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (27)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2599)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature

1326

&lt;222&gt; (2609)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2070

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gtatgacggg gctgtacgag ctgggtgtggc ggggtgtgca cgcgtgtctc tgtctgcacc 180
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atatgggcct ggtgatcacc gaggtggagc aggaacccag cttctcggac atcgcgagcc 480
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gatttggatg tagatacgtt agccagttta cttagttcaa atggttgtcc tgatcctgat 840
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&lt;210&gt; 2071

&lt;211&gt; 1476



1327

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2071

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&lt;210&gt; 2072

&lt;211&gt; 2224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2072

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1328

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ctat 2224

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&lt;210&gt; 2073

&lt;211&gt; 820

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1329

<222> (38)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (51)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (690)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (812)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (814)  
 <223> n equals a,t,g, or c

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 gccccagacc ctgggtgggg gctgtctcgg caccttcacc tccttgcctgc tgctggcgctc 180  
 kacagccatc ctcaatgcgg ccaggatacc tgttccccca gcctgtggga agccccagca 240  
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<210> 2074  
 <211> 1487  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature

1330

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1487)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2074

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaan 1487

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&lt;210&gt; 2075

&lt;211&gt; 2386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2075

1331

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gacactatag aaggtacgcc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
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&lt;210&gt; 2076

&lt;211&gt; 3893

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

1332

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2076

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1333

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&lt;210&gt; 2077

&lt;211&gt; 3233

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3224)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3231)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2077

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1334

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&lt;210&gt; 2078

&lt;211&gt; 2981

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1335

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2817)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2916)  
<223> n equals a,t,g, or c

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## 1336

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caaattcata tatgataaaa gtgaatgttc taagtctctc aaactagcgt tttatgtaat 1980
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&lt;210&gt; 2079

&lt;211&gt; 2458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2079

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1337

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&lt;210&gt; 2080

&lt;211&gt; 2650

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2080

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1338

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tcgatgtggc ccccttgga gttggtgccc cagaccagga attcggttt tgaggggggtt 2640
cagtttgggc
2650

```

&lt;210&gt; 2081

&lt;211&gt; 2302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1339

&lt;222&gt; (135)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2081

```
gacgccggag ccctctgacc gcacctctga ccacaacaaa cccctactcc acccgtcttg 60
tttgtcccac ccttgggtgac gcagagcccc agcccagacc ccgccc aaag cactcattta 120
actggatttg cggancacga ggcttctgct tactgcaact cgctccggcc gctgggcgta 180
gctgcgactc ggccggagtc ccggcgcgcg tcttgttct aaccggcgcc gccatgaccg 240
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acaaatgtga agaaagcttt gtgaaaattc ctggcgagaa ggactcagt atctgcctta 480
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ggctaaattc tgcattccctc aaacagcctt atatcactca gaattatttt ccagtcggta 600
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aagaaaaatg tatttttccct aaatagaaat aaatgatccc attttttggg aaaaaaaaaa 2280
aaaaaaaaaa aaaaaaaaaa aa 2302
```

&lt;210&gt; 2082

&lt;211&gt; 1958

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1340

<222> (1724)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1843)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1850)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1864)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1875)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1907)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1911)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1936)  
<223> n equals a,t,g, or c

<400> 2082  
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atatctcggg agtgggatac gacgataccg aagacagctc atgttatatc ccgccgttaa 180  
ccaccatcaa acaggatttt cgctgctgg ggcaaaccag cgtggaccgc ttgctgcaac 240  
tctctcaggg ccaggcggtg aagggcaatc agctgttgcc cgtctcactg gtgaaaagaa 300  
aaaccaccct ggcgcccaat acgcaaaccg cctctccccg cgcgttggcc gattcattaa 360  
tgcagctggc acgacaggtt tcccgaactg aaagcgggca gtgagcgcaa cgcaattaat 420  
gtgagttagc tcaactatta ggcaccccag gctttacact ttatgcttcc ggctcgtatg 480  
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 540  
gccaagctct aatacgactc actatagga aagctggtac gcctgcaggt accgggtccgg 600  
aattccccgg tcgaccacg cgtccgaccg aaacggacac ggactgaatg ttacttttcc 660  
tcctctccta agtggaaacg acttccaaac agttgaggaa ggcagtaatg tgaagttggt 720

## 1341

```

ttgcaatgtg aaagccaacc cccagggtca aatgatgtgg tacaaaaaca gtagtctcct 780
cgatttagag aaaagccgtc accaaatcca acagacaagt gagtcttttc agctgtcaat 840
caccaaagtc gagaagcctg acaacggaac ctacagttgt attgcaaagt catctctgaa 900
aacggagagc ttggactttc acctgattgt taaagataaa actgtgggtg taccaataga 960
gcccattatt gctgcatgtg ttgtgatctt tctgacattg tgctttggac tgattgctag 1020
aagaaaagaaa ataatgaagc tctgcatgaa ggataaagac cctcacagtg aaacagctct 1080
atgagaaaagc tgagatgcca tcgaatacag agagagtttt gcatcaggac ctccacaatt 1140
tatgtagtcc catctgtatt tattgtctatt attaaattca ctctgtcac tctgttttca 1200
ttaatcactt aacagtagtt gktaggacta atttgataca cttgtggaac atttttatgg 1260
aaagagctat taagaatgaa aagtaagatt ttgttaagtc ttctccttga agtatatgtt 1320
aattaattga gatttgttcc aaatagggtg gtaatcattt actgttttagt gtgttttttt 1380
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atagtgtcac cttaaattcaa ttcactggcc gtcgtttttac aacgtcgtga ctgggaaaaac 1560
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acgttcgccc ggctttcccc gtcaagctct aaatcggggg ctncctttan ggttcccat 1860
tagngcttta ccggnacctt gaccccaaaa aaacttggat taagggngaa nggttcacgt 1920
aatggggcc cattgncctt gatagaacgg gttttttc 1958

```

&lt;210&gt; 2083

&lt;211&gt; 1247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1247)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2083

```

tcgaaattaa ccctcactaa agggaacaaa agctggagct ccaccgcggt ggcggccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gagccgcgct cctgcctcct 120
gccccagcag gcaggaagaa tgggggctga cctctacctc ggtgctcaag agagaggccc 180
cagctggcag ggacccagaa gagcctggag atgttggtgc tggagacccc aactctgac 240
agggactccc tgtgctgatg actcagggaa cagaggacct aaagggccca ggacaaaggt 300
gtgagaatga gccactgctg gaccctgttg gccctgagcc tctggggcct gagagtcagt 360
cagggaaggg agacatggtg gagatggcca cacggtttgg gtccaccctg cagctagacc 420
tgaaaaaggg gaaggagagt ctgttgagaa agaggctggg ggcagaggag gaagaggacg 480
aagaggaggt ggaagaggat ggccccagca gctgctcgga ggacgattac agtgagctgc 540
tgcaggagat cacagacaac ctgacgaaga aggagattca gatagagaag atccatttgg 600
acacrtcctc cttcrtggag gagctgcctg gagagaagga ccttgcccac gtggtagaga 660
tctatgactt tgaaccagcg ctcaagacgg aggacctgct ggcaacgttt tctgagttcc 720
aagagaaggg gttcaggatt cagtgggtgg atgatactca cgcactcggc atctttccct 780

```

## 1342

```

gcckggcctc agctgcggaa gccctgaccc gggagttctc ggtgctcaag atccggcccc 840
tcacrcaggg aaccaagcag tcaaagctca aagccttgca gaggccaaaa ctctgcgctc 900
tggtgaagga gaggccacag acaaatgcga ctgtggcccc gcggtcgggtg gcccgggccc 960
tgggactcca acacaaaaag aaagagcggc ctgctgtccg gggtcgctg ccgccctgag 1020
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aagccttcac agacgccaga gcagccccgc accaccctcg agcttcacca tggggtgtgg 1140
tgggcttttag tttagtccca gaaatggaga aaaaataaaa actcacgttg ttctaattgtg 1200
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggncn 1247

```

&lt;210&gt; 2084

&lt;211&gt; 2129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1705)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2084

```

tagaactagt ggatcccccc ggsctgcagg aattccggtc gtcgggtctgt gcattatttg 60
ctgggttctgg tttagcccga cgctgtacgt tgattcctgg aatccgcac atgcaccgtt 120
cttcagtgcg gtaggttctt ccatcgctat gacgctgtgg gcttttcttg gtctggagtc 180
tgcgtgtgcg aatactgatg tagtggaaaa cccggaacgt aatgtgccaa tcgcgggtact 240
cggcggtacg ttaggtgcgg cggtgattta tatcgtctcc accaacgtga ttgccgggat 300
tgtgccaaat atggagctgg caaattcaac ggcaccattt ggtctggcct tcgcgcagat 360
gttcacgccc gaagtgggta aagtcattat ggcgctgatg gtgatgtcct gctgcggttc 420
gctacttggc tggcagttca ccattgccc ggtgtttaaa tcttcatctg atgaaggcta 480
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gttcaacgtg ctggttaacc tggccgtggc ttccagcgtt tcttcaaggc ggttgaaccg 660
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ccgatgcact acaacaacac ccaggagatc tgggatgagt tgcgtcatct gtgcccgat 780
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gagtacccga tgggtactgtc aacggtgcgt gaagtgtggtc actactcttg ccgttcgatg 1020
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tggttttagct ccggcgattt gagcaaagcc gaatattggg cacagaaagc cgccgacagc 1680
ggtgatgctg atgcctgcgc gctgntggcg cagatcaaaa tcaccaatcc ggtcagtctg 1740
gactatccac aagcaaaagt tcttgagag aaagcggcgc aagcgggcag taaagaaggt 1800
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```



## 1343

```

gcaatttcgc tgttagaaaa cgcctcggaa gatctggaga acgactctgc cgtcgatgcc 1920
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gcaacctggg atttcaaacg cagctctgca atttcccgaa ccggttattc cgagtactgg 2040
gcgggcccg tacccaattc gccctatagt gagtcgtatt acaattcact ggccgtcggt 2100
ttacaacgctc gtgactggga aaaccaggg 2129

```

&lt;210&gt; 2085

&lt;211&gt; 788

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2085

```

ccacgcgtcc ggcattggtg tgtgcacctg tattctcagc ctcccaagta gctgggatta 60
cagtcaggca ccaccacacc cggctaattt tgtatttttt tagtagagac agggtttctc 120
catgtcggtc agggtagtcc cgaactcctg acctcaagtg atctgcctgc ctccggcctcc 180
caagtgctgg gattacaggc gtgagccact gcaccagacc tagaatcttg tataatatgt 240
aattgtaggg aaactgctct cataggaaag ttttctgctt tttaaatata aaaatacata 300
aaaatacata aaatctgatg atgaatataa aaaagtaacc aacctcattg gaacaagtat 360
taacattttg gaatatgttt tattagtttt gtgatgtact gttttacaat ttttaccatt 420
tttttcagta attactgtaa aatgggatta ttggaatgaa actatatttc ctcatgtgct 480
gatttgtctt atttttttca tactttccca ctgggtgctat ttttatttcc aatggatatt 540
tctgtattac tagggaggca tttacagtcc tctaattgtg attaatatgt gaaaagaaat 600
tgtaccaatt ttactaaatt atgcagttta aaatggatga ttttatgtta tgtggatttc 660
atttcaataa aaaaaaactc ttatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa 788

```

&lt;210&gt; 2086

&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2086

```

agtgggcggg ccatttcttg ttctctctcc cgtctctcga agctttcgtc tcgtgggtgc 60
gaaaggtaac cgaagcggct caggaaggca gctgtcactg agccccctga acagagcgag 120
agtatcgtaa gtaaccaggc tcagccgggt tctcaggccg ctctagtcaa ataaaccata 180
aagatcagac tcgggcttct tcaattcctt ctctccgtgg ttccgccatt agcttccggg 240
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cctccatagt caccacttca cttcacctct ttctggaaac caggaagtga gtgcttttgg 660
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aggagaacaa tatggtcgac ctatcagtgg gcaaaaagag gtgcatggca tggcccagcc 840
aagtcagaac aactactgga aagccatgga aggcattctc atgaagccca gtgagttgtt 900
gaaggcagaa gccaccatg cagagctgtg aatctagagg ctctgagcca ctgttaacgc 960
acaatgttca cagacatctg ttgctgcctc accttgggat ccctgccaca agttccttgg 1020
gcagtggcca tgtcaccatt gagatgaaga tatacaacag aaaatagtgg ctgtgtttgg 1080

```

## 1344

```

aagcttcagc cctgcacatt tgaactagtc actctcccag acttgcgagg gtcagttctt 1140
tctgagtaga ggacttgctg gtaaaggggc agatgctttt tattagtact gataaaacaa 1200
actgagggaa acatccctct tagctgggaa actttttactc ttcaggagct tggcatcatg 1260
gactgttaat gtatgtgatt ttccccctat tttctctctc caaaatgata aaaacaataa 1320
ttttaaaaaa aaaaaaaaaa aaactcgagg                                     1350

```

<210> 2087

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<400> 2087

```

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tccatttcat gtttttttnt tttctctatt atctttgggtg atacatntgn tcagattttt 120
tgctnttttt taagattttt tctttattgt gtgntaagag ttcttggtat attttagata 180
ccagtccttt ataagatgtg tttgacaaat attttctcct agtctgtggc ttgtcttttc 240
atttttttta aacagtgttt tacagagaag aaaaattttc aattttaatg aagtctacct 300
tatcaatttt ttttttatgg gtcatgattt tcgtgctgtg tttacaaata tattgccaaa 360
caagattttt ttcctcatta tctacaagtt ttacagtttt gaattgtatg tatagggtctg 420
tgatactttt tgagttaact tttgtgaaag ataaaagggtc agtggtggat agattatttt 480
tccttttgca tgtggttgtc cagcaccatg aagactcttc cttctccact gaattgtctt 540
tgtacttttg ccaaagatca gatttacctc ttaaactctt gtcaaacctg tccacttctc 600
accatctcca ttttcaatct cttcggacgc gtgggacggc gcgtgggtcg acccggaat 660
tccggaccgg tacctgcagg cgtaccagct ttcctatag tgagtcgtat tagagc      716

```

<210> 2088

1345

&lt;211&gt; 1424

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1391)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1406)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1415)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2088

```
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```

&lt;210&gt; 2089

&lt;211&gt; 1226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1346

<221> misc feature  
 <222> (164)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1180)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1197)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1215)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1221)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1224)  
 <223> n equals a,t,g, or c

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 aggcatctgg atggtgatcg ggcacgarat cacgcacggc tttnacgaca atggccggaa 180  
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 aaggcctacc tcaagtggat ggcagagggg ggcaaggacc agcagctgcc cggcctggat 540  
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1347

<210> 2090  
 <211> 1632  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (14)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1602)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1616)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1617)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1628)  
 <223> n equals a,t,g, or c

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 gccccttccg tggacggctc tgtggcctct gtgggaactt caatggcaac tggagtgcag 180  
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 gcttggcaga ggagactgca ccctatgaga gcaacgaggc ctgcgggcag ctccggaacc 360  
 cccaggggccc cttcgcgcacc tgccaggcgg tgcctgagtc ctctgagtac ttccgccaat 420  
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## 1348

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tggctgtgat tgtcagcaat gaccatgctg ggaaactgtg tggggcctgt ggaaactttg 1320
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attccccgntt cc 1632

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<210> 2091

<211> 2429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2406)

<223> n equals a,t,g, or c

<400> 2091

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tctggaagat ttggataatt ggacagcact tatacttgca tcgaaagaag ggcatgtgca 180
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tgtgaaacat ttattggcca tgggagctga tgtggatcaa gaaggagcta attcaatgac 540
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1349

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tgacaggagt ggggatactg tgttgattgg cgctgtcara ggtgggtcatg ttgaaattgt 780
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gagaaacatt gaagtgggtg agctgctgct agataaagggt gctaaagtgt ctgctgtaga 1020
taagaaagga gatactycct tgcataattgc tattcgtgga aggagccgga aactggcaga 1080
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&lt;210&gt; 2092

&lt;211&gt; 902

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (834)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (864)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (894)

&lt;223&gt; n equals a,t,g, or c

1350

&lt;400&gt; 2092

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gcctgcccc cagcgccctg caagttctgt cggcccaggg gactcaggcg ttgcaggcag 180
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cg 902

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&lt;210&gt; 2093

&lt;211&gt; 1815

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2093

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## 1351

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cgatattgga gtcttttgtt cattcaaadc ttggattttt ttttttcctt aagagattct 1620
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tgacttttta aatcattatc attattattt ttaattaaaa aaatgcctgt atgccttttt 1740
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ctcggccgca aggaa 1815

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&lt;210&gt; 2094

&lt;211&gt; 5459

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3960)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3961)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2094

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ctttcggaga ctttccacgg attttataaa agcacctaca gaaccaagga aggggaactg 780
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1352

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1353

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&lt;210&gt; 2095

&lt;211&gt; 2085

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2062)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2065)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2084)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2095

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1354

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&lt;210&gt; 2096

&lt;211&gt; 1781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2096

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<211> 3095

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3049)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3072)

<223> n equals a,t,g, or c

<400> 2097

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1356

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&lt;210&gt; 2098

&lt;211&gt; 1414

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2098

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1357

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1414

&lt;210&gt; 2099

&lt;211&gt; 2171

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2093)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2099

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ccttccctgt agaaaccccg gaaaaactca acgccacttt aggtatgaca gtgaaagtga 720
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1358

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tgaatggcga a
2171

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&lt;210&gt; 2100

&lt;211&gt; 1186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2100

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ccgagctccc ggggcccttt ctctgcgggg ccctgctagg ctctctgtgc ctgagtgggc 180
tggccgtgga ggtgaaggta cccacagagc cgctgagcac gcccctgggg aagacagccg 240
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1186

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1359

&lt;210&gt; 2101

&lt;211&gt; 3109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2101

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1360

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&lt;210&gt; 2102

&lt;211&gt; 1438

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2102

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&lt;210&gt; 2103

&lt;211&gt; 2443

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2103

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cgcagccga ggggtccgg ggcgactgct gcgcggcgcc ccgcctccgg gctccttcgg 240
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1361

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agtgtcagga tacgacagct atggaaatat ctgtgggcag aaaaatacaa agttggaagc 480
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```

&lt;210&gt; 2104

&lt;211&gt; 2519

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1349)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2519)

&lt;223&gt; n equals a,t,g, or c

1362

&lt;400&gt; 2104

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&lt;210&gt; 2105

&lt;211&gt; 1312

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2105

## 1363

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gctctgcgag cgttattttca aaagaagttg agaaccarag aaaccracct aaggggatty 60
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gtgaccaaga ggaacagAAC acagagcagc ctggcagtgt ccaagcaaca agcctccgct 180
cctccttcct gcaccctggg gctcctgaaa ctcacatggg taaaaaagat acagtaaaga 240
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&lt;210&gt; 2106

&lt;211&gt; 1871

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2106

```

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ggagcttggg tgagcaaggt tggaggtgat tctgcccctc tccccaggct ttctgtatta 180
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```

## 1364

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```

1871

&lt;210&gt; 2107

&lt;211&gt; 1309

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2107

```

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cagggtagga ggaagatggc ttccagaagc atgcggctgc tcctattgct gagctgcctg 240
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```

&lt;210&gt; 2108

&lt;211&gt; 943

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1365

<221> misc feature  
 <222> (866)  
 <223> n equals a,t,g, or c

&lt;400&gt; 2108

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&lt;210&gt; 2109

&lt;211&gt; 1377

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2109

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1366

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<211> 788  
<212> DNA  
<213> Homo sapiens

<400> 2110  
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cctgcgcccc tcaactcctcc cgctccatct gctgctgctg ctgctgctca gtgcggcggt 180  
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cccaaagtct ccaaaaagaa gctcaaggaa gagaaaacgaa acaagagcaa aaagaaataa 720  
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aaaaaaaaa 788

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<212> DNA  
<213> Homo sapiens

<400> 2111  
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gcccagccaa ctactttgcg tttaaaatct gcagtggggc cgccaacgct gtggggcccta 240  
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cgaagccatt ttaggggtggc tgtggctctt cctcagccag gggcctgaag aagctcctgc 720  
ctgacttagg agtcagagcc cggcaggggc tgaggaggag gagcaggggg tgctgcgtgg 780  
aagggtgctgc aggtccttgc acgctgtgtc gcgcctctcc tcctcggaac cagaaccctc 840  
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<210> 2112  
<211> 975  
<212> DNA  
<213> Homo sapiens



1367

&lt;400&gt; 2112

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aaaaaaaaaa aaaaaa

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&lt;210&gt; 2113

&lt;211&gt; 1173

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2113

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&lt;210&gt; 2114

&lt;211&gt; 1708

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1368

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1109)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2114

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```

1708

&lt;210&gt; 2115

&lt;211&gt; 1877

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2115

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1369

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gtgggtcttt ggctctggcc tctgcaaagt ggcaggtgcc ctcttcaaca tcaacttcta 720
cgcaggagcc ctctgctgg cctgcatcag ctttgaccgc tacctgaaca tagttcatgc 780
caccagctc taccgccggg ggccccggc cgcgtgacc ctcacctgcc tggctgtctg 840
ggggctctgc ctgcttttcg ccctcccaga cttcatcttc ctgtcggccc accacgacga 900
gcgcccaac gccacccact gccaatacaa cttcccacag gtgggcccga cggctctgcg 960
ggtgctgcag ctgggtggctg gctttctgct gcccctgctg gtcatggcct actgctatgc 1020
ccacatcctg gccgtgctgc tggtttcag gggccagcgg cgctgcggg ccctgcggct 1080
ggtgggtggg gtgctgggtg cctttgccct ctgctggacc ccctatcacc tgggtggtgct 1140
ggtggacatc ctcatggacc tgggcgcttt ggcccgcaac tgtggccgag aaagcagggt 1200
agacgtggcc aagtcggtca cctcaggcct gggctacatg cactgctgcc tcaaccgcct 1260
gctctatgcc tttgtagggg tcaagttccg ggagcggatg tggatgctgc tcttgccct 1320
gggctgcccc aaccagagag ggctccagag gcagccatcg tcttcccgcc gggattcatc 1380
ctggctgtag acctcagagg cctcctactc gggcttgtga ggccggaatc cgggtctccc 1440
tttcgcccac agtctgactt ccccgcatc caggctctc cctccctctg ccggctctgg 1500
ctctcccaa tatctcgtc cccgggactc actggcagcc ccagcaccac caggctctcc 1560
gggaagccac cctcccagct ctgaggactg caccattgct gctccttagc tgccaagccc 1620
catcctgccg ccgaggtgg ctgcctggag cccactgcc cttctcattt ggaaactaaa 1680
acttcatctt cccaagtgc ggggagtaca aggcattggc tagagggtgc tgccccatga 1740
agccacagcc caggcctcca gctcagcagt gactgtggcc atgggtccca agacctctat 1800
atttgcctt ttatttttat gtctaaaatc ctgcttaaaa cttttcaata aacaagatcg 1860
tcaggaaaaa aaaaaaa 1877

```

&lt;210&gt; 2116

&lt;211&gt; 828

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (787)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (819)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (827)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2116

```

ggcacgagag atggcgggcg aacagcggga ctgcgggggt gctgcgcagc tggcggggcc 60
ggcggcgagg gctgaccccc taggacgctt cagctgtccc gtgtgcttag aggtgtacga 120
gaagccggta cagggtgccct gcggacacgt cttttgctct gcatgcctgc aggaatgtct 180
gaagccgaag aagcctgtct gtgggggtgtg tcgcagcgct ctggcacctg gcgtccgagc 240
cgtggagctc gagcggcaga tcgagagcac agagacttct tgccatggct gccgtaagaa 300
tttcttctg tccaagatcc ggtcccaact ggctacttgt tccaaatacc agaattacat 360

```

## 1370

```

catggaaggt gtgaaggcca ccattaagga tgcattctctt cagccaagga atgttccaaa 420
ccgttacacc ttctcttggt cttactgtcc tgagaagaac tttgatcagg aaggacttgt 480
ggaacactgc aaattattcc atagcacgga taccaaactc gtggtttggt cgatatgtgc 540
ctcgatgccc tggggagacc ccaactaccg cagcgccaac ttcagagagc acatccagcg 600
ccggcaccgg ttttcttatg acacttttgt ggattatgat gttgatgaag aggacatgat 660
gaatcagggt ttgcagcgct ccatcatcga ccagtgcgca gagtccgtgc ttgctatctg 720
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgaaaa aaaaaaagg 780
ggggggnccc ggttaccca atttcggccc tattaggtna agtcgtna 828

```

&lt;210&gt; 2117

&lt;211&gt; 2520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2520)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2117

```

ggcacgagca cttcctggcc aggaaacctg agcgggtgaga ctcccagctg cctacatcaa 60
ggccccagga catgcagaac cttcctctag aaccgcaccc accaccatga ggtcctgcct 120
gtggagatgc aggcacctga gccaaaggct ccagtgggtc ttgcttctgg ctgtcctggt 180
cttctttctc ttgccttggt cctcttttat taaggagcct caaacaagc cttccaggca 240
tcaacgcaca gagaacatta aagaaaggct tctacagtcc ctggcaaagc ctaagtccca 300
ggcacccaca agggcaagga ggacaacctat ctatgcagag ccagtgccag agaacaatgc 360
cctcaacaca caaaccagc ccaaggccca caccaccgga gacagaggaa aggaggccaa 420
ccaggcaccg ccggaggagc aggacaaggt gccccacaca gcacagaggg cagcatggaa 480
gagcccagaa aaagagaaaa ccatggtgaa cacactgtca cccagagggc aagatgcagg 540
gatggcctct ggccagacca ggaagctgac ggctccagg acggtgtcag agaagcacca 600
aggaaatggg ggccagacca ggaagctgac ggctccagg acggtgtcag agaagcacca 660
gggcaaagcg gcaaccacag ccaagacgct cattcccaa agtcagcaca gaatgctggc 720
tcccacagga gcagtgtcaa caaggacgag acagaaagga gtgaccacag cagtcattcc 780
acctaaggag aagaaacctc agggcacccc acccctgccc cttttccaga gccccacgac 840
gcagagaaac caaagactga agggcgccaa cttcaaactc gagcctcggt gggattttga 900
ggaaaaatac agcttcgaaa taggaggcct tcagacgact tgccctgact ctgtgaagat 960
caaagcctcc aagtcgctgt ggctccagaa actctttctg cccaacctca ctctcttct 1020
ggactccaga cacttcaacc agagtgcgtg ggaccgcctg gaacactttg caccacctt 1080
tggcttcatg gagctcaact actccttggt gcagaaggct gtgacacgct tccctccagt 1140
gccccagcag cagctgctcc tggccagcct ccccgctggg agcctccggt gcatcacctg 1200
tgccgtggtg ggcaacgggg gcatcctgaa caactcccac atgggcccagg agatagacag 1260
tcacgactac gtgttcgat tgagcggagc tctcattaaa ggctacgaac aggatgtggg 1320
gactcggaca tccttctacg gctttaccgc cttctccctg acccagtcac tccttatatt 1380
gggcaatcgg ggtttcaaga acgtgcctct tgggaaggac gtccgctact tgcacttct 1440
ggaaggcacc cgggactatg agtggctgga agcactgctt atgaatcaga cggtgatgtc 1500
aaaaaacctt ttctggttca ggacagacc ccaggaagct ttccgggaag ccctgcacat 1560
ggacaggtag ctgttgctgc acccagactt tctccgatac atgaagaaca ggtttctgag 1620
gtctaagacc ctggatggtg cccactggag gatataccgc cccaccactg gggccctct 1680
gctgctcact gcccttcagc tctgtgacca ggtgagtgct tatggcttca tctactgagg 1740
ccatgagcgc ttttctgac actactatga tacatcatgg aagcggctga tcttttacat 1800
aaaccatgac ttcaagctgg agagagaagt ctggaagcgg ctacacgatg aagggataat 1860

```

1371

```
ccggctgtac cagcgtcctg gtcccggaac tgccaaagcc aagaactgac cggggccagg 1920
gctgccatgg tctccttgcc tgctccaagg cacaggatac agtgggaatc ttgagactct 1980
ttggccattt cccatggctc agactaagct ccaagccctt caggagttcc aagggaacac 2040
ttgaacctatg gacaagactc tctcaagatg gcaaattggct aattgaggtt ctgaagttct 2100
tcagtacatt gctgtaggtc ctgaggccag ggatttttaa ttaaattgggg tgatgggtgg 2160
ccaataccac aattcctgct gaaaaacact cttccagtc aaagcttct tgatacagaa 2220
aaaagagcct ggatttacag aaacatatag atctggtttg aattccagat cgagtttaca 2280
gttgtgaaat cttgaaggta ttacttaact tcactacaga ttgtctagaa gacctttcta 2340
ggagttatct gattctagaa ggtctatac ttgtccttgt ctttaagcta tttgacaact 2400
ctacgtgttg tagaaaactg ataataatac aaatgattgt tgtccatgga aaggcaaata 2460
aattttctac agtgaagatg caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2520
```

&lt;210&gt; 2118

&lt;211&gt; 692

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (575)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (602)

&lt;223&gt; n equals a,t,g, or c

1372

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (627)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2118

```
ggntagncaa ntcnctccca tgattacgcc aagctccta acgactcact atagggnttt 60
gttggtacgc ctgcaggtac cgggtccgga ttcccgggtc gacccacgcg tccgattttc 120
ttcagacaaa actgctcttg tgcaatattt tatgctcagt gagcaaattg tgtattttatg 180
tttatcaatt tgttctcaag gtggctgtct acagacattt gaccaagaca tacatctgat 240
ttacctgtg tttttttttt attggtgttt ttttttaaga cagagattca gtctgtcacc 300
caggctggag tgctgtggtg tgatcttagc tcaactgcaac ctccgcctcc caggttcaag 360
caattttcct gcctcagcct cccgagtacc tgggactata tgtgcgccacc accacgcctg 420
gctaattttt tgtattttta gtagagatgg ggtttcacca tgttggtggtg gctggtctcg 480
aactcctaac ctcaagtgat ccacccgcct cagcctccca aagtgtctggg attacaggtg 540
tgagccactg caccacgcct accttggtctg tttgngtctg ggagggtttt ttttttctat 600
tnttattttt tcatgaaaat tattgngggg ccactgaaag tccccacaca caaaagcctt 660
tattctatat aatttataaa cacaaattca tg 692
```

&lt;210&gt; 2119

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (349)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1373

<221> misc feature  
 <222> (363)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (374)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (423)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (444)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (451)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (457)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (474)  
 <223> n equals a,t,g, or c

<400> 2119  
 gggcatggtn gtgcatgcct gtaattccag ctactcggga ggctgaggca ggagaattgc 60  
 ttgaaccgag gagacggagg ttgcagtgac cccagatcat gccagtgcac tccagcctgg 120  
 gtgacagagt gagactctgt ctcaaaaaaa taaaaaataa ataataaata ataataataa 180  
 taaaataaaa ataactgcaa caagccccta gattgacttg aagcctctgt ctgaactgct 240  
 ggcgggatcc ccacttccc ccatgtgcct gttcatggca tgcagaggtc agncccttgc 300  
 ttcaagcctc ggaccagagt gggccatctc ggtagcata ngacacaang acagaagcat 360  
 tgnccctcaag ttttctgaga catgttttgc cctggaagcg gtgatttttg ccatcattgc 420  
 tgnaagactt gtcatcgggg cagnatctta ncatcangca tttgctgtcg cggn 474

<210> 2120  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

1374

<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (201)



## 1375

<223> n equals a,t,g, or c

<400> 2120

```
tataccacaa atgcagccng gnggagtaca agctcctgnt atacaacagg tgctggctcc 60
nnttcctgga gggatttcac cacagacagg tggcatcatc cagnctnagn aaatctaatt 120
tacaggaaat aaagactcaa gatataccta cgacagtggc agnacctaca ccagnccaaa 180
gcacagataa ctgcaactgg ncag 204
```

<210> 2121

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 2121

```
aattcggcag agttgtgggc cgaagaatat gctcatgtgg tggtgaggaa agcagacatt 60
gacctacca agagggcggg agaactcact gaggatgagg tggaacgtgt gatcaccatt 120
atgcagaatc cacgccatac aagatcccag actggttctt gaacagacag aaggatgtaa 180
aggatggaaa atacagccag ctttcgtgtc cgaggccagc acaccaagac cactggccgc 240
cgtggccgca ccgtggggtt gtccaagagg aattaagttt ttaggccttg tctgttaata 300
aatagtttat atacctnaaa aaaaaaaaaa aaatttnggg gggggncccc gtacccattt 360
gcccttn 367
```

<210> 2122

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

1376

<220>  
 <221> misc feature  
 <222> (234)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (240)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (241)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (242)  
 <223> n equals a,t,g, or c

<400> 2122  
 gggggtgcct gtacccccca gcctggctgg catcatgcag aggaccttcg cctggctggt 60  
 ggaccgcgtg cagcacctgg gtgcccctgt cacccttcgc gcctcttata tggagatcta 120  
 caatgagcag gtctcagccg tcgaaggaaac tcagcccaca ccctgaacca ggcctccagc 180  
 cgaagccatg ccttgctcac cctttacata agctccaaaa aaaaaaatna attntttatn 240  
 nnc 243

<210> 2123  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (260)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (293)  
 <223> n equals a,t,g, or c

<400> 2123  
 ggaaagatag atcctgacca gacagtaatc agagctgagt ctttggatgg tggtgacacc 60  
 agttctacag ttgtagaatc tcaagagggg ctttctggca ctcatgtccc agagtcttct 120

## 1377

gattgttgtg aagggttttat taatactttt tcaagcaatg atatggatgg gcaagactta 180  
gattacttta atattgatga acgcgcaaaa atggcccact aattagtgat gctgaacttg 240  
atgcctttct gacagaacan tatcttcnga ccactaacat aaatcttttg aaaaaaatgt 300  
taaagactc taaatcg 317

<210> 2124

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

1378

<221> misc feature  
 <222> (193)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (232)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (233)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (259)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (272)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (294)  
 <223> n equals a,t,g, or c

<400> 2124  
 gaatectnnt ggaaaaccnc tcactatagt naaagctggt acnccctgcag gtaccgggtcc 60  
 ggaattcccg ggtcgacceca cgcgtccgca cggggcactt ccaccaacgg caaagnccctg 120  
 gctgccactg caccctactcc tggcatcccc atcctgcagn ctgnaccctc cgccccaccc 180  
 cccaaagccc agncagtttc tcccgtagcag gccccgcccc cgggtgggtc annccagctg 240  
 ctgcctggga aggtcttant gcctctggcc gncctagca tgtcagtgcg gggnggaggg 300  
 gccgg 305

<210> 2125  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (68)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (70)  
 <223> n equals a,t,g, or c

## 1379

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<400> 2125  
gggcaactat tatctcaagt tcagtgtggt gaggtagaag aatcatatgc actttggggc 60  
tatcactngn gccatgggta ttcgcttcaa gtcttactgc tccaaccttg ttcgcacttt 120  
gatggttgat ccttctcaag aagttcagga aaattataac tttntgctcc agcttcaaga 180  
ggagctgctg aaggaattaa gacatggtga gaagatatgt gacngtata acgctgncat 240  
ggacgtgggt aaaaagnaga agccagaact gntgaacana aattaccnaa aacctagggt 300  
tagggatggg aattgaatcc cgtgaaggct 330

<210> 2126  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

1380

<222> (131)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (224)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (293)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (304)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (317)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (318)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (324)  
 <223> n equals a,t,g, or c

<400> 2126  
 ggcacgagct cgtgccgaat tcggcacgag cccaaacgga gccacgtgag gacgtctttg 60  
 gggatgtgtc tccaagaaaa gtgtgggctg ccttcctcac cctggatgcc tgtgggctgc 120  
 ctctctcacc ntggatgcct gtgggctgcc ttctcacc tggatgcctg tgggcagcct 180  
 tctcacct ggatgcctgt gggctgcctt ctcaccctgg atgncgtgtg gctgccttcc 240  
 tcaacctgga tgctgtgggc agctttctca acctggatgc tgtgggctgc ttntcaacc 300  
 tggntgactg tgggcannct ttntaacct gga 333

<210> 2127  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (203)  
 <223> n equals a,t,g, or c

1381

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<400> 2127  
gttgaggacc cgctgcggag ctgctgcctg gtggccgcgg acgcccagga gcccgagggc 60  
gcgggcagcg actcggggga cagcccggcc agcagctgca gcagtagcga ggactcagag 120  
cagcggggag tcggcgccgg gggtcccgag gagggcgcg cccctgccac ctcggccgag 180  
aggactaatg ggggtgcgga ccncgcctgg gcttttctga cattcactnc aactctcgca 240  
acacgttcca ggntgagccg cngn 264

<210> 2128  
<211> 667  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

1382

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (522)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (553)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (584)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (613)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (624)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (631)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (666)  
<223> n equals a,t,g, or c

<400> 2128  
gcaaataattc attatttggt ctactggaaa taaaaatact aattcaatgg atttgagttt 60  
atgtaataat ttacagagtt tttcaatgtg ttttttcaga atggacatgt aaaatttagt 120  
tacattccag ggaattttca ggtgaaaatt agtagatagt taacatgaaa attttatatg 180  
aattcatatt ttttcttgga caatatgcta atatttattg atttcacaaa ttacagcat 240  
atgggtgatt ttggaagcat tcatagacct ggaattgttg ttgactatca aaacaaatcc 300  
accaatgtna cagttgctgc tgcaagagga ataaanagaa aaatgatgca gccatttaat 360  
aagcccagtg gaacctttat caagaacctt aactagcaaa acctatggag aanataagcc 420  
tcagcaaatc accacaaaaa ctgatcctaa aaattgaana agaaaaaaaaa cggcaattga 480  
ggtccgcaaa aaaaacaaag gccccaaaaa aaaaaacgng anaattcgga aatggatccg 540



## 1383

aatggcttta atnttctttt gtaatttcaa ctttaaaaaa aaanttgtact gctcggaaat 600  
tctcctccga acnttgatct ttcnaaacac ntattgaaaa tttttggatt tgcctatttt 660  
tggaana 667

<210> 2129

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1384

<222> (321)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (322)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (350)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (355)  
 <223> n equals a,t,g, or c

<400> 2129  
 tngaatagtn aacataacat ttacgggtctt tatgattnaa nagtagtgtg ctagtntaca 60  
 atcatagaaa gcattattac agttttaaca aaaaagcagt gaaagccttt ttgagatctt 120  
 tnntatctga ttggaatagc aagtattttt tgttttgatt ncatttttat acatactttt 180  
 atgataataa cttaagcat tatctcagat taccttacgg aaaagtgtgg aatcagcatt 240  
 aagacagtta gaaagagaaa aggcgcttct tcagcacaaa aatgcagaat atcagaggaa 300  
 agctgatcat gaagcagaca nnaaacgaan ttgggaaaat gatgggttgn ggtgnagaat 360  
 attaaatact catcaagaaa aaaa 384

<210> 2130  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (273)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (332)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (360)  
 <223> n equals a,t,g, or c

1385

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<400> 2130  
gcgctcagtc cagcttgctc aggatgagcg tgtgtcccgc tcttacctcg ccttggccac 60  
cgaaaccgtg gacatgttcc acatcctccc ccaaagcaat gtgagtecca gagcccgctt 120  
ttgctcgaag aaagtctgga gtctctgaag cgaatccatg aagtgcagga agagatgaag 180  
aacaagaac agtgggacca gttgccccgg gatcagcagc aggctcgtca gtctcagctt 240  
gctcaggatg agccgtgtgt ccgctcttac ctngcctgcc accgaaaccg tggacatgtt 300  
ccacatcttc cccaaagcaa tgtgagtcce anagcccgct tttggtcttt cccacaattn 360  
cattactaag aaacacatca aataaactga ctttttttnc cccaaaaaaa aaann 415

<210> 2131  
<211> 499  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>

1386

<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (448)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (476)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (481)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1387

&lt;222&gt; (498)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2131

```
cggcacgagc atggatgtca tcagcattga caagacggga gagaatttcc gtctgatcta 60
tgacaccaag ggtcgctttg ctgtacatcg tattacacct gaggaggcca agtacaagtt 120
gtgcaaagtg agaaagatct ttntgggcac aaaaggaatc cctcatctgg tgactcatga 180
tgcccgcacc atccgctacc ccgatccctt catcaagggtg aatgatacca ttcagattga 240
tttagagact ggcaagatta ctgatttcac caagtctgac actggtaacc tgtgtatggt 300
gacttggagg tgctaacctt gggaggattt ggtgttggtt ccaccagggg gnggcaccct 360
gggtntttta cgnnggttca gggnaaanat gccattggaa cagtttttnc ctgggntttt 420
caaatTTTTT tttttggaag ggaacaanct ggnTTTTTtc ccggggaagg gtttcngctt 480
ncctTTTTTt ggggggggnn                                     499
```

&lt;210&gt; 2132

&lt;211&gt; 297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1388

<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<400> 2132  
nangnacgct gtgtaaataa natgcttttg gggctcccct ggccacagaa ggagaaaact 60  
ggagccttct aatttcctgt tgtttacttt ccaaaggctg gagttgggta ggaaacctgn 120  
gcataccggc aacttggtt gtgggtgaac ttctctccct gctgtatttc ccggacaggt 180  
gaggcggacc ctgttcacga caggactccc cagagatgcc aggaaggaga cnttggagag 240  
ccacttccgg gacgcgtatc ccacgtgtaa ggtggttgat gtncagttgt gntacaa 297

<210> 2133  
<211> 575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (470)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (511)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<220>

1389

<221> misc feature  
 <222> (539)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (544)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (573)  
 <223> n equals a,t,g, or c

<400> 2133  
 ggccgtgaga ttcncaggag tttccacttg gtgatcagca ctgaacacag accaccaacc 60  
 atggagtttg ggcctagctg ggttttcctt gttgctattt taaaagggtg ccactgtgag 120  
 gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcgggtccct gagactctcc 180  
 tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccagggtcca 240  
 gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcattgggtg gacaacagaa 300  
 tacgcccgct ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360  
 nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420  
 gactacaggc acacccttg ctactggggg cagggaaccc tggtcaccgn cttctctggc 480  
 ttccaccaag ggccatcgct tcccccttg ngcccttggt ccaggancac ttccgaaanc 540  
 cagnggcctg ggcttgcttg gcaagggtc ttnc 575

<210> 2134  
 <211> 557  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (52)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (521)  
 <223> n equals a,t,g, or c

<400> 2134  
 gcgctcaacc ctactaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60  
 gaactagtgg atcccccggg ctgcaggaat tcggcacgag ggagttttca gatcaaaaac 120  
 tggttaccat tttttgtcag agtgtctgat gcggccactc attcggctcc ccagaattcc 180  
 tagactgggt taatagggtc atattgtgaa tgtctcacta caaaatgact tgagtccagt 240  
 gaaatctcat tagggtttta gaatatttca gggatcctta atgttttgat ttttgttttc 300  
 tgaaattgga ttttatttta ttttatctta taatttcagt tcatctaaat tgtgtgttct 360  
 gtacatgtga tgtttgactg taccattgac tggtatggaa gttcagcgtt gtatgtctct 420  
 ctctacactg tgggtgactt aacttgtgga atttttatac taaaaatgta ggataaagac 480  
 tattttgaag gtttgaataa agtgatgaag ttgcattaca nctcactgca aggattcttt 540

1390

acttagcttg tttttag

557

&lt;210&gt; 2135

&lt;211&gt; 552

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c



1391

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2135

```

ncaannnnnga cacnaaccct cactaaaggg aacaaaagct ggagctccac ctgcggtgcg 60
nccgctcttag aactagtgga tcccccgggc tgcaggaatt cggcacgagg aggagcccca 120
gtcatgctca gcacgctaca gatgtgttgt ttgtcacact gagattgctg aatgtcgtgg 180
ctgttggtcg ccgagcctca gctgctggca tttccttctg ctgtttgctg cttttgtgcc 240
tccccactt tccatcacct ctggagtcct gtctggacgt cccttcctgc tacaggaata 300
atgaggcggtg ggctgcctcc cgctaggcct cctgctccct ntaggtagtt tctngctgag 360
gcttgctaata tggggatgct tcttagagca tcttccacat caactcccct ggctgctggc 420
taccgattaa attcattagt gtgaaagagg tgggagttag gttttctggn ctgaagcagt 480
ctgcactgaa aggtacccaa gtggcctgaa acagtgtagg gaaagacctg ggaaacactg 540
gacaaaaaaa gc 552

```

&lt;210&gt; 2136

&lt;211&gt; 618

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2136

```

aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgncggccg ctctagaact 60
agtggatccc ccgggctgca ggnattcggc acgagcggcg gcggnccggc cgctccagcc 120
atgccgaata aaaacaagaa ggagaaagaa tcacaaaaag cagggaagag tggaaaaagt 180
tcaaaagaag gacaagacac agtagaatca gagtgtact gtctaagagc tggagctaca 240
gagcttgaaa ttaccactga aaacactgaa atgttgggccc ctactgct tcctcataag 300
gataccagag gcaacctggc atattaagct tgacacttgg cagatcactg tgtaaattgt 360
ttttcaggaa tacaagttgg gacacttctg ttcatttgac ctttgagttg acccttaaat 420
tttattattg ttttttttcc cctcagtctt cagctcactg ctactcttct agttccaccc 480
acttaccaaa tatgattgac tcatgcaggc gaattaaacc attattgcac actttttccc 540
tctcctctct ctctagtatta ctcttaactt gaatatttta acctgaacaa tttaaatagg 600
cttgacattc ccatgctg 618

```

1392

&lt;210&gt; 2137

&lt;211&gt; 522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2137

```

anantaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtgcn gnccgctcta 60
gaactagtggt atcccccggt ctgcaggaat tcggcacgag gaggaatcgt gtgtctgctg 120
ttgatgaact tgcaatggct acagaacgac taagagtgcg tgatcctagg gagccaaagc 180
ctaataccgcc tgttcttcat atcattgaac cacatgaggt agaacaaaac cgaataaaac 240
tactaaatga taaagctggt gctacatcac agcttcagaa aaaacttggg cagcttcttt 300
acctaactaa tttggagaag tctcaagata aaacatcggt aggtgttaat ccagaacctt 360
gcccaatctg tgctcgacag ctaggaaaac agtgggcggt actgacctgt ggtcactggt 420
tctgtaatga atgcatttct ataattattg aacaatacag cgtgggatct cacagaagct 480
ccattaagtg tgcaatctgc cgccagacca catctcaca ag 522

```

&lt;210&gt; 2138

&lt;211&gt; 508

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

## 1393

&lt;400&gt; 2138

```

tganacnaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg acggccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agctacaact ggagaatcca 120
tccatcaggt gactgagttc ctccaaaggg gacactacta atgtgtctca gacactaact 180
aaggtgagaa ggaatgcact gttgaggggg cagcacatcc ttaagaagct caatgggtggc 240
tgtccccctgc aggctggaat aatgctaggg atgttttata gaactggatc cccagtagt 300
gagtaaaatg atagagttcc agaataacag gggccaagtg gcagcattta actgtgagga 360
caagataaag taatttccgt aagggggcatc aacgttagag tgacaactgg gaggcctgac 420
ctgtaggtgt ccatgaagat ggctcttagg acatgctgtt cctctaggca agacacatat 480
tgcttttagac atataatcaa aagaggat                                     508

```

&lt;210&gt; 2139

&lt;211&gt; 546

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2139

```

ccctcactaa nggaacaaag nctnngctc caccgcggtg ncggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agcggtttta ttttcaataa tgaacagctg 120
gctcagatga atgaacagct ggctcaggtg aatgaactaa agaaaatgac ccttcaaact 180
ggctttgaac aaggtgacag agaaaatgta ctgtgtaata aaaaggagaa aagaataaca 240
aatgagcaag aggaaacata ctctttatcc caaagttcag gtaaatttca ccaggagagt 300
aaatttgata agggtcagaa ttccctaact tgtaataaaa gtaaagcttc tagacagaca 360
tttgtgattc acaaattaga aaaagataac ttactcccaa accaaaagga taaagtaacc 420
atztatgaaa acctagacgt cacaaatgaa tttcacacag ccaatctttc caccaaagat 480
atggaaattt atgtgattat gggacccaca atatattgga tttgaaaagt atgtcactga 540

```

1394

tattca

546

&lt;210&gt; 2140

&lt;211&gt; 537

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2140

```

gnacaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtggat cccccgggct gcaggaattc ggcacgaggg agattgatga tgactttttc 120
ccaagtcttg gggaagaagc tgaagctgct tctgtaggag aaggaggagg aggaggtcgg 180
aaagtgggaa gataccgaga tgatggagat gaagattatt ataagcagcg gttaaggtcg 240
gtctgtgggg attataaata cattgtactg tttgctttat cttagggtgac aggtttatta 300
atatgtaagc attctagatc cagcttaata tattagacct ccccgattat acagagggtg 360
gatttctgca gccttaacct gctagaagca gtggggcccc tgagtcctta atgatgctgg 420
cccaaatgc atgtacttct aggtcttttag ttggatttgg aggcaagtct aagatgaaaa 480
acttaaggga aggctggggc aagaggcata cagagggctg agtgtgagct gtgtcgc 537

```

&lt;210&gt; 2141

&lt;211&gt; 480

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2141

```

tcaaccctca ttaaaggga caaaagctgg ngctccaccg cgggtggcggc cgctctagaa 60
ctagtggatc cccccgggct caggaattcg gcacgagatg atattgagac ctctgtcatt 120
taatattggg acaaaattgt atttctaact cacaacaaac agaaaaacta cattagatgt 180
actatcactt tagattttgaa aacaattctt taaaactttt acaagaaaat caaaataaga 240
ctctactgcc tttaatttga ggaagcacat gtcattaagg aaaagactga tgagttcaca 300
tttgctgata aaaataatat aatctgtcca tcctaagtta ggtgtccaac aaatagttac 360
atgtctatcc tctcaccttt catgtcctcc aacacttctc tttaaagagt ggcatagata 420
acatcatgaa agaatgagga aactccagtg caccaaaaaa ttatagagtt tataaatatc 480

```

&lt;210&gt; 2142

&lt;211&gt; 500

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

1395

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2142

```

ggnganntca acctcactaa agggaacaaa agctggagct ccaccgcggt ngcgggcgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gaggtctgat ttcttcacac 120
ttgtaaacaa ttgtattata tatgcatact gtatatattg tagttataag aagaaaaata 180
ccagaattta aaatgcagtc acaatgtgtt atgttttcag atgacttacg tatgtttttg 240
ttcatcagta ttttaaaaaa taatcacctg tttgtgaaaa taatgggttt gaaaacagca 300
ttatgatgag aggggaacttc gtaatttcat gagaatgtag atgggtgactg ttttaagtggg 360
agctcacata ggcattaaca tcaccctcct tttgcacagt ccttttaagt ctccctgttaa 420
acatctttta ttgtgtgtat ttaaaggcac acagatgctt tttcctgtat tcatcttaca 480
aatttaccta catattcagc                                     500

```

&lt;210&gt; 2143

&lt;211&gt; 433

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2143

```

gangtcnanc ctcactaaa ggaacaaaag ctggagctcc accgcggtgg cgcccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga gcttttggt tctagttgat 120

```

## 1396

```
tacttttttt ttcctgcaa atttgggttt tgattacttg agcatagtga tcaaaaaaga 180
tcaactgggca tccatatacc gtttcattaa tgattaatgg actacaatat tgacttgtct 240
catgttatca aagttataat ctgctttata tagcaagttc actttgcttt aaacagcttt 300
taatttatat tattgttctt gaaaagggtga gttaaataatgc aaattgaata attttaaaat 360
ccaagggcag gttttgtaag aaacttagag ggcagagagg aatttttgta aaggggaaaa 420
attattttat ttt 433
```

<210> 2144

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 2144

```
gaaaaatcac aagccttctg tacttttagg ctttgatag tctgaactta aaaatgtgaa 60
acatagattg aactttgaat atgaaccata aaacttgcaa aaaaaaaaaa aangnacntt 120
taangtagn 129
```

<210> 2145

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

1397

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

1398

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2145

```
cgggcccgag atgtctcgct cntttncnt agctntgctc gcgctactct ctctttctgg 60
cctgtaggct atccagcgta ctccaaagat tcaggtttac tcacgtcatc cagcagagaa 120
tggaagtca aatttcctga attgctatgt gtctgggttt catccatccg acattgaagt 180
tgacttactg aagaatggag agagaattga aaaagtggag cattcagact tgtctttcag 240
caaggactgg ctttctatct cttgnactac actgaattca cccccactga aaaagatgag 300
tatgcctgcc gngngaacca tgtgactttg tcacagccca agatagntaa gtgggancga 360
gacatgnaag cagcatcatg gaggtttgaa natgcccgcga attnggaatg gatgaattcc 420
aaa 423
```

&lt;210&gt; 2146

&lt;211&gt; 519

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (309)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (371)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (458)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (477)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



1399

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2146

```
gccacagtct aaggtgctgt acattacctc aaatccgatg agtctctgtc aagcaagcag 60
acatcagcca aatgtgaatg atctcttggg tcatggaatg cctctacagc caagaaatct 120
ctcccctaag gacaagctcc tagatcttga tgacaagcta cttatgaggc ctgggtccag 180
taccatcctt tcaactcgaa attggccaaa tcgagctgtg gagtttagta catcatctct 240
gtcatacaca gtgcagtcca ccaggagacg caatccacca ccacgaactc ttcatccgat 300
cagcacganc cattcatgtg ctgaaacacc aggatctgtg gaagaaattc tcagaggagc 360
ccgagtccca ntggcacccg actcgtcttc cttctccctc accgacgccc ctgagttgaa 420
attaatctgc taccacctat tgggcacagc tgaagtgnaa acatgtgatc actgtgnggg 480
tcacagagac aagatgaatc cccaatggan actntantc 519
```

&lt;210&gt; 2147

&lt;211&gt; 499

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (218)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (317)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (328)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (337)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1400

<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (443)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1401

&lt;222&gt; (484)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2147

```
aattcggcac gagcattgag gtgcggaatt acagcagatt gaaacctggg taccgatggg 60
aacggcagct ggtgttcagg agtaagctga ctatgcacac agcctttaat cgaaaggaca 120
atgcacaccc agctgaggtc actgccttgg gcatctccaa ggatcacagt aggatcctcg 180
ttggtgacag tcgaggccga gttttcagct ggtctgtgag tgaccagcca ggccgttctg 240
ctgctgatca ctgggtgaag gatgaagggtg gtgacagctg ctcaggctgc tcggtgaggt 300
tttcactcac agnaagncca caccatttca ggaactntgg gtcagctctt ctgccagaag 360
tncatcgctt tnaatctgaa tnaaacgttt gaaatttcat cccggtgngt gtttgtcaga 420
cttgttattt tanttccagc ttngggnggt nagagggttg cncgaatttt gagntcacca 480
gttngtgggc ctggttgcc 499
```

&lt;210&gt; 2148

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2148

```
gatgaattga gtgaagctct cctacttata aaggctcaaa aagaacaaaa aaatggagac 60
ctttcctttt tagtgaaagt agatagtga attaataaag atctagaacg ctctatgaga 120
gagctgcaag caactcatgc agaaacggtg caagagctgg aaaagacaag aaacatgcta 180
attatgcaac acaaaattaa taaagattat cagatggagg ttgaggcagt gaccgtaag 240
atggaaaatt tgcagcaaga ttatgaactc aaagtggaac agtatgttca tcttcttgat 300
atcagggtg cagctatcca taaactagaa gaagctgtaa gtttggggag catataagt 360
ttcttcagct gttggagttt tgcataattc ccatanccaa aattttcaca gaaaagcaag 420
gcagatatcc acgttggtga tatttggttg gcctctgtat ataacggtga a 471
```

&lt;210&gt; 2149

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1402

<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)

1403

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (223)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (238)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (245)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (318)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (326)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (342)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2149

```

ggaacggggg ggaantgtga acctcttaaa gttgggtcccc tgccngtacc ggtccggaat 60
tccccgggtcg acncacgcgt ccgtncaaga tgggtgccacc ggtgcaggtc tctcngctca 120
tcaagctcgg ccgataactnc gncctgttnc tcnatagtgg cctacgganc cacgcgctac 180
aattacctaa aacctngggc agaagangag aggaggatag cancagaaga gaaagaanaa 240
agcangatga actgaaacgg attgccagaa aaatggcaag aaagatgcag cattattaaa 300
agtgaagttg aannatgngg aaccanttct tttggaacca ancat 345

```

&lt;210&gt; 2150

1404

<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<400> 2150  
agtcgtctctc ctagcccttc tntgtgcctc agcctctggc aatgccattc aggccaggtc 60  
ttcctcctat agtggagagt atggagggtg tgggtggaaag cnattctntc attctggcaa 120  
ccagttggac ggccccatca ccgccctccg ggtccgagtc aacacatact acatcgtagg 180  
tcttcagggtg cgctatggca aggtgtggag cgactatgtg ggtggtcgca acggagacct 240  
ggaggagatc tttctgcanc ctgggggaatc agtgatccag gtttctgggn agtacaagtg 300  
gtacctgaag gaagctggta ttttntgaca gacaagggcc gtatct 346

<210> 2151  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

## 1405

<220>  
 <221> misc feature  
 <222> (203)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (221)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (223)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (251)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (258)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (298)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<400> 2151  
 gcagggggct gctttgcatc tgaaactgtc agccccagaa tgttgacagt cgctctccta 60  
 gcccttctct gtgcctcagc ctctggcaat gccattcagg ccagggtctc ctccatatagt 120  
 ggagagtatg gangtggtgg tggaaacgat tctctcattc tggcaaccag ttggacggcc 180  
 catcaccgcc ctccgggtcc gantcaacac atactacatc ntnggtcttc aggttgccta 240  
 tgggcaaggt nttgaacnaa ctattttngt ttgttcccca accggaaaac ctggaagnaa 300  
 aatcttttct tgccccctt ggggaaatcn 330

<210> 2152  
 <211> 544

1406

<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (493)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (528)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (533)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (542)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (544)  
<223> n equals a,t,g, or c

<400> 2152  
tttttttagc atcatgttta cgcccttgga cagatacant gatagaaata tgcaaattaa 60  
tagacatcaa tactgtgcgt taaaggctat gtctgtctgta ctgtgttggt gccctgttgc 120  
agataatgta ggactttcat cagatggcta ttgtacaaa tggttggata acatttttga 180  
ttctctggac aaaaagggtt accagctggg ctgtgaagca gttacgttgt tactggagct 240  
gaaccctgat cagagcaacc tgatgtactg ggctgtggac cgctgctaca cgggctccgg 300  
gagggtggcg gccggctgct ttaaagccat tgctaattgt ttccagaaca gggattatca 360  
atgtgacaca gtgatgcttc taaatctgat actgnttaaa gcagctgatt cttctagaag 420  
tatctatgaa gttgctatgc aacttttaca gattctggaa ccgaagatgt ttcgctatgc 480  
tcacaaattg gangttcaga gaacagaatg gaggactcac ccagtggntc cnttacacaa 540  
tntn 544

&lt;210&gt; 2153



1407

<211> 236  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<400> 2153  
gcggaacgcgt gnttggacgc gtgggtggag cagtcttcca aatttatatt atcaaggacc 60  
tggaagaagct actcatgata gcaggagaag agcggggcact gtgtcttgtg gacgtgaaga 120  
aagtgaacaa gtccctggcc cagtcccacc tgcctgcca gcccgacatc tcacccaaca 180  
tttttgaagc tgtcaagggc tgccacttgt ttggggcagg ccaagaattg agaacc 236

<210> 2154  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>

1408

<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1409

<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)

1410

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2154

```
ggcgccgtgt gcggttaggg cttctgccgc tcttccacgc ttgngcagca tnaccgggtc 60
cacantggcg agcggcctta caagtgcgat gactgcngaa aggccttntc ccanagctcn 120
gacctcattc gccaccaacn gacccaennc gnagaccnnc nctnacctgg ggccccagca 180
tggggtggnag gtgtnggcag aagataatgg nccngggagc tanaggaacc tttagggatg 240
atagtgtaga agccgtagga gaatggaatg agctgangat gctggaanaa gagaaccant 300
ggtggaggaa gtgacatgcc ctgnagactt gtgggaagtg gtttgtaggg aggccatgnc 360
ggtatacggg aggccttgan agaaatggag agaggtcaan tn 402
```

&lt;210&gt; 2155

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (304)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2155

```
gtgaacttcg gtgttcctta cagtttagcg aaacggaaag ggaaggagga ttttctccac 60
acatttctcc tttcactgct gtcaatgacc tgggacatct gcttgggaga gctggcttta 120
atactctgac tgtggacact gatgaaattc aagttaacta tcctggaatg tttgaattga 180
tggaagattht acaagaacaa agtccagaa tgttgaccta attttataaa acaagctgca 240
tatcagctga tgaatgcatg agaaattttc aaggctttca cagtgggtctt aaggatatggg 300
tganagtaac tgtgcttgga atagaaaagc cctgctgcat cgagacacaa tgctggcagc 360
tgcggnagtg tacagagaaa tgtacagaaa tgaagatggg tcagtacctg ctacatacca 420
gatctattac atgataggat ggaaatatca tgagtnacat gcaagaccaa cttgaaagaa 480
gtttccgaac tgtggcattt tg 502
```

&lt;210&gt; 2156

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1411

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

## 1412

&lt;400&gt; 2156

```

cccntagnaa actcccnntg gaaggaccgt tgggacgcct gtangtaccg gtccggaatt 60
cccggttcga cccacgcgtc cgcacacgcg tccgcccacg cgtccgggag ttccggaaag 120
ccaaggccag ctccacaggc agcttcacag cacctgatcc cggcctgaag cgcaagtccc 180
ctcctgaggc cctgtcaggg tccttaccce cagccaccac ctgccccgcc tcgtccacgc 240
ctgcgcccac tatcatccct gctccagctg cccccgggaa gccagcctcc gcagccaccg 300
tgaagaggaa gcggaagagc cgggtgggggc ctgaagagga taaggtagag ctcccacctg 360
ctgaactggg gcagagggac gtggatgcct ctccctcgcc tntgcagntc aggacctcaa 420
ggggctcggg tatgagaagg ggaagcctgt gggnctaang ggcg 464

```

&lt;210&gt; 2157

&lt;211&gt; 316

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (212)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (268)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (276)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (284)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2157

## 1413

```
tggactnctc ccggtaccgg tccggaattc ccgggtcgcac ccacgcgtcc gcggacgcgt 60
gtttcgcctt ttatgcctat cactaccgct tcaatgggca gtatagcagc ctggccctgg 120
tcacctactg gctcttcata caggtgaggc ctgggaggca agcagggggc aggccagccg 180
tgcctttcca ggcaggagag gctgcagccg gngaggatgc cctgtggggg cggcccaagc 240
gggcagaggt agcgtggatg gtcccggntg ggctgncctc tggnagcagc ggctgggtgg 300
tcaagggcgg ncccg 316
```

<210> 2158

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

1414

&lt;400&gt; 2158

```
ggcaccgagcg cttgtggagc tgggtggcggc gctcccaggg gctcgggtgt tttccgcgcg 60
gcaggngctcg atggcgcaact gggtaaagct ctcaaggagc agaagtacga ccggcagctg 120
aggttggtggg gtgatcatgg gcaagaggct ttagaatctg ctcatgtttg cctaataaat 180
gcaacagcca caggaactga aattctttaa aacttggtac taccaggtat tggttcgttt 240
acaattnatt gatggnaatc aggtcagcgg agaagatggc tggaaaacaa tttntcttct 300
tcaaagaagc anttntcggg caaaaaccga gctggaaagc ngaccatggg aatttcttan 360
ca 362
```

&lt;210&gt; 2159

&lt;211&gt; 79

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2159

```
gacctcgtec gccaaaggatg tgccagccgg cagcttgccg actgccctca atgagctcaa 60
gagactgata canagcatt 79
```

&lt;210&gt; 2160

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (363)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



## 1415

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 2160

```
gggtatgcag taacatttca gaatgttttg tgtgcgtgtg aaggggtgcac aggtgcgtgg 60
ggatggggag ccaggctcag aggtggacgc tggctgcctg ggccacctcc tttcccgagc 120
cccatctggt cgagcagaga gcagagggag agggagtgtc ccggtgccca ggctcccaga 180
gtgctgtcct ctgcccggtt cgtcaagtcc aggtagtgga tcccagtgga gcttcgggtgc 240
tggagggcgtc tctgcctcgt ttccggctcc atgttacgct cttagaaacg gagttgattg 300
tggttgagggc ggaaggaagg gttccccgca nacgtcctct ctcttctaca aagtgtgggc 360
aanagccagg gccagtgagg gctgctgtgc atgagtggcc tgagacaaag cgctgtncnc 420
cgttgagana tgggctccna agaaac                                     446
```

<210> 2161

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

1416

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2161

```
gggcctgtcc acgtccccct ctgtccttaa ctccaggaga ccttggctca cgtggacagc 60
aatggagttg ggggaagggc cctgaaggca gcccaggcc tgactgtggg cctccagcta 120
caggcatttg tgtttgggca ccagctaccc cacatcccag ccggtcatct ctgggcataa 180
acccccaccc ccagaaaagg aggttcctg tccctcttgg gcaccagctc agccaaaagc 240
cagaaagctg ctctggagca taacctgacc cccccacggc gaggcagggc agtcttctct 300
ggctggcact gctctgggca tagaattgat ccttcatcaa nctttacccc aaaaaagaag 360
ngtcttctg ggtgaaggac aaagtngggg aaggcaacan ggctggggct taaangccct 420
tcaccagcca ttcaagggtt gccttttnaa 450
```

&lt;210&gt; 2162

&lt;211&gt; 405

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (385)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (394)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2162

```
agcttcctct gggaaacgcc ccantatagg gatagctggt acgcctgcag gtaccgggtcc 60
ggaattcccg ggtcgacca cgcgtccggg acccaacttc tctaccgcc atggagttcg 120
acctgggagc agccctggag cccacctccc agaagcccg tgtgggggcg ggccacgggg 180
```

## 1417

```

gagatcccaa gctcagtcct cacaaagtcc agggcccggtc ggaggcaggg gcagggtccgg 240
gtccaaagca aggacaccac agctcttccg actccaagca gcagctccag cgattcggac 300
acggatgtga aggtaagggg ctctcgcagc gtcccaagca cgtgccctgc accccanaga 360
ggcgccccg actggggctg gcgngaggg tgcnnngagt ggtcc 405

```

<210> 2163

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<400> 2163

```

gggggcttgg cctcaagcat ctctggaagc ctgctgtgga ggcctatgga gagtttctct 60
gcatgtttga ggaaaattat cccgaaacac tgaagcgtct tttgttggt aaagcccca 120
aactgtttcc tgtggcctat aacctcatca aacccttcct gagtgaggac actcgtaaga 180
agatcatggc cctgggaggt ggcagtttat gtcagatgga gcggatgttg gttttgggat 240
tttctgaag accnagatgg gagaanaggc ancngncagn 280

```

<210> 2164

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

1418

<220>  
 <221> misc feature  
 <222> (53)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (54)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (66)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (73)  
 <223> n equals a,t,g, or c

<400> 2164  
 tggcgacact ggatcgnaaa gtgcccagtc cggaggcggt tctgggcaaa ccnnggtcct 60  
 cctggntcga cgcgcgcaaaa ttacactgct cgcacaatgt agatttagaa gaggctggaa 120  
 aagaggggtgg aaaaagcagg gaggttatga ggcttaataa agaagatatg cacttatttg 180  
 gccattaccc agcacatgac gacttctatc tcgtagtggt cagtgcctgt aaccagggtcg 240  
 tcaagccaca ggttttccag tcgcactgct cggggcctgc aactgttcca cttcttgat 300  
 cctccttcag cttctctgac tcctgggcca ggtgtgtgca tttagctcca tgctgaagag 360  
 ctgcagcttc tgcaggacat ttgtaccatc gaggtcaaag gcaacaagaa gtgacatgag 420  
 tttcagtcca tcttcatgag gttccagtta aggctgtga attcgcaatt gttcttcccg 480  
 actgcctg 488

<210> 2165  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (14)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (25)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (44)  
 <223> n equals a,t,g, or c

1419

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

1420

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>

1421

<221> misc feature  
<222> (235)  
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1422

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (446)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (477)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (484)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (497)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2165

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nataacctgt cnaanttata tgatgacana ttaccaangt gctcccccat cccacagta 120
tagaangatt atttgcattg gtgcanaana naatggnttg ccgctggant atcaanagan 180
gttaanagcn ttanaaccaa atgactatac ntgaaagggtc tcanaagaaa ntgangacat 240
catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300
tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
tngatccatt ttcannagtg ctctgagagg agtatcttac ttgggggtgac tccttgtttt 420
tagactatac tcagaaactg ggatanggag ttanaccatt taaaacgggt gtatganggc 480
ctgnaatatg tgacaantga at                                     502

```

&lt;210&gt; 2166

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



## 1423

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1424

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1425

&lt;400&gt; 2166

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cgttgctgta attgaacggg tcnanatgcc nacgtgagtg agtgggggca tgcttgggaa 120
gcgcaggatg gtactggcac atctaacatc tacattctc tagctcance tcacaggcca 180
aagcatcagc accanaacgc acacccancc catcccnna nagaaagaan gaaacagcca 240
agacccacc cggtgcttgc acaccgcctt tgcacatanc aaaagctcca ngnttactcc 300
ttcctgggtg ggaaaaanaa atgcctntcc tctccctgga aagacctggg cctccccgc 360
aggcaacaat ttgcattttg aaaagttatt gggttccttc ctccnggctg tnttcttgct 420
tgtaaaccaa aatttttcct nccnaaatta aatnc 455
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&lt;210&gt; 2167

&lt;211&gt; 436

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (432)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2167

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taaaatggac ttgccagatg cccaagataa gttccatgaa ttgatgagcc agctccagaa 120
tcctaaagat tttctgcatt tatttgaaaa aaacatgatt ccagagagga ctgtagagtt 180
ccaacatatc atccccatat ctgcagttac tggagaagga atcgaagaat taaagaattg 240
tataagaaag tcaactggatg aacaggccaa ccaggaaaat gatgcacttc ataagaaaca 300
gttgcttaat ttgtggattt ctgatacaat gtcttctact gagccaccat caaagcatgc 360
tgttactact tccaaaatgg atataattta aatatattaa aaatgggtatt gatggaacag 420
taaaaaaaaa annnnn 436
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1426

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1427

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1428

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 tggtagcgcct gcaggtaccg ggccggaatt nccggatcga cccacgcgctc cgctggagag 120  
 agaccttttcg aatgtattga atgtggaaag gccttttagta atggttcatt ncttgctcag 180  
 catcagagaa ttcatacagg agagaaacct tangtgngna atgtgngngn gaaagccttt 240  
 agccatcggtg gatacctaatt tgtacatcag agaattcata ctggngagag accctacgaa 300  
 tgtaaggaat gtangaaagc cttcagncag tatgcacacc ttgctcaaca tcagagagtt 360  
 catactggag aanancctta tgaatgtaaa gtattgttng aaagccttca gncaaattgc 420  
 ataccttgat caacatcaga gggntcatac tggagagaaa ccctatgaag gtattggaat 480  
 gnnngaaggc ctttagcaat agttcatcac ttgcacaaca tcagnngaag catactggag 540  
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<220>

1429

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## 1430

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<220>  
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1431

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1432

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<223> n equals a,t,g, or c

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<220>  
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<222> (403)  
<223> n equals a,t,g, or c

<220>  
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agncttntnc tttatgcagt ccctgaacta ccaggaagat aaacaccacc atgatggaga 120  
tttgcaccag tacaaacagg gtattgaagt tagcgaccag gttgacgctc ttcagattcg 180  
cggcggttaa aatggcgacg aggttaccac ccacanccan gggggggcact ttccgggggaa 240  
gagggcgggg agatagattt tnggccaaaca agacgttaat natngggcaa aaanggggnt 300  
aattccagcn agggntgnnc caggcngntc cataaantnc cgnngngggg gntnaaatnn 360  
gntttntnnn gnggnnggnt attagggnc cnanccgttt annggggaat ttgggggggaa 420  
gccatttng 429

1433

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<220>  
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<220>  
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tgccggcccc cgctctgccc tggattggta gcttatgtcg atcttgatga aagagcaatt 120  
gatgctctca gggaatttaa tgaagaagga gctctgtctg tactacagca gttcaaggaa 180  
agtgaacttat cacatgttca gaacaaaagt gcatttttat gtggagttat gaagacctac 240  
aggcagagag agaaacaggg gagcaagggt caagagtcca caaagggacc tgatgaagcg 300

## 1434

aagatcaagg ccttgcttga gagaactggt tatactctgg atgtaaccac aggacagagg 360  
aagtatggtg gtccttcacc agacagtgtg tactctggcg tgcaacctgg aattggaacg 420  
gangtatttg taggcaaaat accaagggat ttatatgagg atgaattggt gccccctttt 480  
gagaangccn gacccatttg ggatctacgt cttatgatgg atccactgtc cggcagaata 540  
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<211> 536

<212> DNA

<213> Homo sapiens

<220>

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<400> 2171

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gaccccccttc gcggggggga tgcgtgcatt tatcagatca aaaccaaccc ggtcagcccc 120  
tctccggccc cggnnggggg gcgggcgcgc gcggccttgg tgactctaga taacctcggg 180  
ccgatcgcac gccccccgtg gcggcgacga cccattcgaa cgtctgccct atcaactttc 240  
gatggtagtc gccgtgccta ccatggtgac cacgggtgac ggggaatcag ggttcgattc 300  
cggagagggga gcctgagaaa cggctaccac atccaaggaa ggcagcaggc gcgcaaatta 360  
cccactcccc acccggggag gtagtgacga aaaataacaa tacaggactc ttctgaggcc 420  
ctgtaattgg aatgagtcca ctttaaatec tttaacgagg atccattgga gggcaagtct 480  
ggtgccagca gccgcggtaa ttccagctcc aatagcgtat attaaagttg ctgttg 536

<210> 2172

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

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<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

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<222> (66)

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<221> misc feature

<222> (68)

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1435

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<220>  
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<220>  
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<220>  
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ggaggntnaa tggcncggac atggaagccc acgctggtca tcctgnggat caaacgggct 120  
ggccgatgcn tgcgctgggn ccccaacgag aacaagggtg ctgtgggcaa cggatctnng 180  
gaganctcca tctggtatatt ccagcaagga gaatgactag gngggtttag caaagcacat 240

1436

naagaagncc at

252

&lt;210&gt; 2173

&lt;211&gt; 480

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (334)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (477)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2173

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tttatgctta aacatggaga aaatattatt gatacttttag gagctgaagt agatagactt 120  
gagaaggaac tgaaagtaag atgtattcat aaaaataaca taatgataat ggcagctatt 180  
tttttgagta cttactctac agcagacact aagtgcattcc atcacatgca tgctttaacc 240  
cactcataac tccacagtgt gtaggtatatt ataagcaaga aaatgactgg gttagataag 300  
ttgaataatt taccgaagga aatagggaaa ttgngatttg aaccagattc tttacttttt 360  
aaacactatt tatgcagcct gcttagtttc taaaatagtc aaaggggggtt tttttggttg 420  
gtaataaata acatttttgaa agtcctanaa naaagatgaa aaggaacttt anactnnggg 480

1437

<210> 2174  
<211> 571  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
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<222> (110)  
<223> n equals a,t,g, or c

<220>  
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<222> (143)  
<223> n equals a,t,g, or c

<220>  
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<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

1438

<220>  
 <221> misc feature  
 <222> (353)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (398)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (407)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (447)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (550)  
 <223> n equals a,t,g, or c

<400> 2174  
 gtggaagtgc tgtgccatgg gcagcttcga cttggagata gagaactcag aanacagatt 60  
 cccagggggga gtgagataaan cacaccatct ctacaggggt tacagcttcn ccatgggctg 120  
 ctggcccaag aatggacttc tanacatgaa caagggcctc agcctgcaac acataggccg 180  
 gccccacacc ggcattgacg actgcaagaa acattgcena catcatgaan aactcgcct 240  
 atcgaggctt catcttcaag cagacatcna anccgttctg attggcccaa gacaagatgg 300  
 ggcacgacaa ggtnactgtt tggcccaccc aaaatcctcc tctccctcac canaagggaa 360  
 aaaggaaaaat ggcatactct gtgtccagaa tgtcccanct gcctgtnggc tctgcccttg 420  
 gcgttggctt ttcccttgca agggctntgc ccttgggcct tctggaacaa aacttttttc 480  
 cccccatccc accctcatct caccagtat caccctccc ttgcgggctg ggctagggga 540  
 accaggatcn cccctctccc tggtcacagg c 571

<210> 2175  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (245)  
 <223> n equals a,t,g, or c

<400> 2175  
 cacaggcggc tgtgcctaaa caggaggagg ccattcacgc ctgcctgag ttgtgtccaa 60  
 ggtgtgcgtg tggccagggg tccatccgct tccctctagc ccagcccctg aacacagctg 120  
 cagtgcacgg cccactect cagctctgct ccccatccca actcgaagac gctgccttg 180



## 1439

ccctgtgtgt gcagctcatg tggactggga gggcagggca ggtgcaggtc ttgggggcaag 240  
agctngagct gtcttttctt tcctgcacag ccgcagagca ggtggatggg gctgcttccc 300  
tgcaaggccc cagggccagg ccccttgggg atttattcgt ggcttagaag ggtggggcca 360  
gaagcaggcg tagtggggat tagggactca gcacccccag ctctcagtc agcagacaga 420  
ccccccccag gctgactaca gaggct 446

<210> 2176

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

1440

<220>  
 <221> misc feature  
 <222> (374)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (381)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (382)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (396)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (404)  
 <223> n equals a,t,g, or c

<400> 2176  
 gaggggaaaag gccttgaagg gccattagac ctgataaatt atatagacgt tgcccagcaa 60  
 gatggaaaagt tgccttttgt tcctccggag gaagaattta ttatgggagt ttccaagtat 120  
 ggcataaaaag tatcaacatc agatcaatat gatgttttgc acaggcatgc tctctactta 180  
 ataatccgga tgggtgtgta cgatgacggt ctggggggcgg gaaaaagctt actggctctg 240  
 aagaccacag atgcnagcan tgaggaatac agactgtggg tttatcangt gcaacannct 300  
 ggaacaanca caagccattt gcanggctnt atacaccgct tttgactctg tattaacatc 360  
 tgagaaaacc ttgnatcctt nnaattaagt agaagnctaa cttnatctga aaagttcatc 420  
 tgttttcaaa ctgcaatgct gaaatgttat tg 452

<210> 2177  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (231)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (258)  
 <223> n equals a,t,g, or c

<220>

1441

<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<400> 2177  
ccgccgcggt acacggccgt atattactgt gcgagagatc ccacggagag atggctgtca 60  
cagaaatccg tactactttg actactgggg ccagggaaac cctggtcacc gtctcctcag 120  
cctccaccaa gggcccatcg gtcttccccc tgggcaccct cctccaagag cacctctggg 180  
ggcacacggg ccctgggctg cctgggtcaag gactacttcc ccgaaccggt naggtttctt 240  
ggaaactcag gcgccctnac cagcgggggtt tcacaccttc ccgggtgttc ctacagtcct 300  
caggantcta ctccctcagn agnttnntta accgtgcctt cccagaagct tggggaccaa 360  
aaactact 368

<210> 2178  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)

1442

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<400> 2178

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gcaccattcc ggggccccaa ggaccggggc cgcaagttgg ccgaggtggg cagccacgag 60
aaggtggggc agnaccatg ctgcgtgcgg ctggagcagg cctgggagga gggcggcatc 120
ctgtacctgc agacggagct gtgcggggcc agcctgcagc aacactgtga ggcctggggg 180
gccagcctgc ctgaggccca ggtctggggc tacctgcggg acacgctgct tgccctggcc 240
catctgcaca gccagggcct ggtgcacctt gatngtcaag cctgcccaaca tcttcctggg 300
gccccggggc cgctgcaagc tggttgactt cngactgntg gtanacttgg gtacagcna 359
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<210> 2179

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

1443

<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (255)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1444

<222> (296)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (297)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (323)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (346)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (361)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (363)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (407)  
 <223> n equals a,t,g, or c

<400> 2179  
 gcggcacgag caatcatata ccaaattctct ccctcactaa acgtaagcct nctcctcact 60  
 ctctcaatct natccatcat agcaggcagt tgagggtgat taaaccaaac ccagctacgc 120  
 aaaatcttag catactcttc aattaccac ataggatgaa tnntagcagt tctaccgtac 180  
 aaccctaaca taancattct taatttaact atttatatta tcctaactac taccggatnc 240  
 cnactactca actnnggggc cagcaccacg ancctacnan tatctcgnan ctgaannaat 300  
 ctaacatgac taacaccctt aantccatcc accctcctct ccctangaag cctgcccccg 360  
 ntnaccggct ttgagcccag atggggcatt gtccaaaaaa acacctnaaa c 411

<210> 2180  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (540)  
 <223> n equals a,t,g, or c

1445

&lt;400&gt; 2180

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gctcgcgccg aggggctgcg agagtgaccg cggctgctcc agcgctgacg ccgagccatg 60
gcggaacgagg agcttgaggc gctgaggaga cagaggctgg ccgagctgca ggccaaacac 120
ggggatcctg gtgatgcggc ccaacaggaa gcaaagcaca gggaagcaga aatgagaaac 180
agtatcttag cccaagttct ggatcagtcg gcccggggcca ggtaagtaa cttagcactt 240
gtaaagcctg aaaaaactaa agcagtagag aattacctta tacagatggc aagatatgga 300
caactaagtg agaaggatc agaacaaggt ttaatagaaa tccttaaaaa agtaagccaa 360
caaacagaaa agacaacaac agtgaaagta agtgtcccca gatgcttggt gcaaataaaa 420
agatggatac tttaaagatt aatgttgagt atacatctac cacacatatt tttcagccca 480
gagacatfff tcctttttgtc aaacacgtga aagtttgggg agaaaggctg aatctgttgn 540
gggagggttc taatfttttta taggctcttt gactccattc ccaccctttt aagttcacgc 600
ttaagttggt                                     610
```

&lt;210&gt; 2181

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2181

```
gaggtaacca cgtttcagct cgctgtattg tttgcatgga accaaagacc cagagagaaa 60
atcagctttg aaaatcttaa gcttgcaact gaactccctg atgctgaact taggaggact 120
ttatggtctt tagtagcttt cccaaaactc aaacggcaag ttttggtgta tgaacctcaa 180
gtcaactcac ccaaagactt tacagaaggt accctcttct cagtgaacca ggagttcagt 240
ttaataaaaa atgcaaaggt tcagaaaagg ggtaaaatca acttgattgg acgtttgcag 300
ctcactacag aaaggatgag agaagaagag aatgaaggaa tagttcaact acgnatacta 360
agaacccagg aagctatcat acaaataatg aaaatgagaa agaaaattag taatgctcag 420
ctgcagactg aattagtaga aatftttgaaa aacatgttct tgccacaaaa ggaaatgata 480
aaagtgcatt agagtggcta atag                                     504
```

&lt;210&gt; 2182

&lt;211&gt; 527

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1446

<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (506)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2182  
gatgaccggc tgcgggaaga gcgggcgcac gcgctcaaga ccaaggaaaa gctggcacag 60  
accgccacgg cctcatcagc agctgtgggc tcaggccccc ctcccagggc ggagcaggcg 120  
tggccgcaga gcagcgggga ggaggagctg cagctccagc tggccctggc catgagcaag 180  
gaggaggccg accagccccc gtcttgccgc cccgaggacg acgcccagct ccagctggcc 240  
cttagtttga gccgagaaga gcatgataag gaggagcgga tccgtcgcg ggatgacctg 300  
cggctgcaga tggcaatcga ggagagcaag agggagactg ggggcaagga ggagtcgtcc 360  
ctcatggacc ttgctgacgt cttcacgggc ccagcttctg cccgaccaca gacctctggg 420  
ggggcccaaca cccatgggtt gntgccgtcc cacgggttgc ccaacttgga cccctggggc 480  
gggccccctg tnccttcanc tgctgnatcc cctggggaag gttcaan 527

<210> 2183  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>



1447

<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

<400> 2183  
gcctnngcgt ccgattttaa tgacatctat gaggaagagc catttaattt tcaaattgggc 60  
tataatgagt ttcagaagtt tgttcaaagg aaagcacatt ccgtttataa ttttgaaaaa 120  
cctgttgtca tgaaggcttt tgaacacttg cagcaattag aattaataaa gcccatggaa 180  
agaacttcag gaaattcaca gagagagtc agctgatgaa actgcttttg gataatactc 240  
aaattatgaa tgctctgcag aaaatatccc aactgggncta cagatgngaa gccangggcc 300  
acatcctact taacctgggt ntggaatnta acc 333

<210> 2184  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

1448

&lt;400&gt; 2184

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gctcgtgccg aattcggcac gagtttggac caatccacaa ataaaattgt ctctgactga 60
gaaagatgag gggcaggagg agtgtagttt ccttgtagcc ctgatgcaga aagatagaag 120
gaaactcaag agatttgggtg ccaatgtgct gacaatcggc tatgccattt ataattgccc 180
taacaaaaac aaannctnaa acaaaaatcc tccaaatccc ncctcnctcg          230
```

&lt;210&gt; 2185

&lt;211&gt; 418

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (345)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

1449

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<400> 2185  
tnnccacnac tncatatnggg aaagctggta cgcctgcagg taccgggtccg gaattcccgg 60  
gtcgacccac gcgtccgaag gctttgaaga gaggtccct gctgggctgc ttcattgata 120  
ccagaagtgc tgcagaatct gagggcccga cgccgtttgg tcttattaag ggatcatgcct 180  
acagtgtaac gggaattgac caggtaagct tccgaggcca gagaatcgag ctcacccgaa 240  
tccggaaccc ttggggccag gttgagtggg acgggtcgtg gagcgacagt tctccggagt 300  
ggcgttctgt tgtccaactg agcanaagcg tctgtgtcac actgntctgg atgatgggga 360  
attctggatg gcatttaagg acttaaggcc cctttgataa antgganac tgcancct 418

<210> 2186  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>

1450

&lt;221&gt; misc feature

&lt;222&gt; (511)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2186

```
ggtgctgact ctgcaggggg atgccctcag ccaggcggat gtgaacctga agatgccccg 60
gaacaaccag ctgctgcact tcgccttccg ggaggacaag cagtggaagc tgcagcagat 120
ccaggatgcc agaaaccatg tgagccaagc catttacctg cttaccagcc gggaccagag 180
ctaccagttc aagacaggcg ctgaggtcct caagctgatg gacgcagtga tgctgcagct 240
gaccagagcc cgaaaccggc tcaccacccc cgccaccctc accctccccg agatcgccgc 300
cagcggcctc acgcgggatgt tcgcccctgc cctgccgtcc gacctgctgg tcaacgtcta 360
catcaacctc aacaagctct gcctcacggt gtaccagctg natgccctgc agcccaactt 420
caccaagaac ttcgccanct gggggcgcgg ngctgcataa ccctgggggc atgttcnaat 480
ggggctttta cgcctggang tgaaccacgt nc 512
```

&lt;210&gt; 2187

&lt;211&gt; 458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1451

<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1452

&lt;222&gt; (418)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (421)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2187

```

aaggatgatcc agacgcaana tggctgtcct ctctaangaa tatgggttttg tgctttctaac 60
tggtgctgcc agctttatna tggtggnccn cctagccntc aatgtttcca aggcccgcaa 120
gaagtacaaa ntggagtggga cacttccatt angattctca cacactcaat ttctgttctt 180
ctattaaggg aaatcttaaa angatgtggg atttgatgac tcttaagaag ntctatatcc 240
ctacantatc tttgtgatgc atctgaaatc cccattgatg cttnacgtca atgaaaagca 300
cngaattggn gcaaagctgc ctctttccct tntgcaacta cagcgcaaan atacatcctt 360
attcctggat atttaataaa aacattgact ctgcttctga aaattgaaaa ccttgtcncn 420
nnaattttta accaaaattg aatgggtctct tcnagggt 458

```

&lt;210&gt; 2188

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

1453

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

1454

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (287)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (294)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2188

```
gccccacgcgt ccncgctgcc cagcctccgg cccgaggccg ctgnccagct cctgcgctcg 60
gngcccaagg tctgcgtcac cgtcctgccc cccgacgaga gcggnccggc ccgcaggagt 120
ttttcggagc tgtacacgct gtcgctgcag gancctagcn ggcggggggc nccagatnct 180
gtgcaggatg aggtcnaggg ggtgaccctg ctgtccacca naaancagnt gctgcacctg 240
tgccctgcaag atggtggtaa gtcctccang gcctggngat ctggccnagg agangactga 300
gttcctgcac agtcagaact cgctgtnact acgcaag 337
```

&lt;210&gt; 2189

&lt;211&gt; 526

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (449)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



1455

<222> (481)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (482)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (524)  
<223> n equals a,t,g, or c

<400> 2189  
gccccgcgct nccggagccac agaaaagtatc gacattaggg aaaagcaacg tgatagtaac 60  
gggagcaaac tttacccggg catcgaacat cacaatgatc ctgaaaggaa ccagtacctg 120  
tgataaggat gtgtgagtcg aaataactaat aattttatcct cggtaacgta acgctcaaac 180  
ctgtgccaaa ggaatatcag tgtgattata accttaatat agtcaaatta ttgccatgcc 240  
ccaaagcagg ccaattagtc agagtatttg acataatata attccaacac gtaaaataat 300  
tttcacaaca gatctgaagt tcattgngag agaattctgtt ctgtgttatt cccccaaaat 360  
ctcaagtata tagtcatttc aagatgttgc ctggttgggg tcttgattca ttttcagtaa 420  
caaaatcaag tatatggagt acaaacaatna ttctttaagg tgatgcactt tggaaaaaaa 480  
nntgagtecc ttgnaatttg atgaaggaat tttttgggag caantt 526

<210> 2190  
<211> 553  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1456

<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (480)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)

1457

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2190

```
atngncacgn gaccctttga ggantacta cgantcacta tagggaaagc tggtagcct 60
gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgcggacgcg tgggtgggca 120
tgcagctgga cagagcaagc agctctctgt atgttgcggt ctctacctgt gtgataaagg 180
ttcccccttg ccggtgtgaa cgacatggga agtgtaaaaa aacctgtatt gcctncagag 240
acccatattg tggatggata aaggaagggt gtgcctgcag ccatntatca cccaacagca 300
gactgacttt tgagcaggac atagagcatg gcaatacaga tggntctggg gactgtcaca 360
attnctttgt ggcactgaat gggcattcca gttncctctt gccagcaca accacatcag 420
attcgacggc tcaagagggg tatgagacta ngggaggaat gctggactgg aagcatntgn 480
ttgactcanc tgacagcaca gacccttttg gggcaaggnc ttnccataat caccaaagac 540
aagaaggag tga 553
```

<210> 2191

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1458

&lt;222&gt; (611)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (612)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2191

```
gcatgggagc tgttcagcag tttaacttag atgtcataca gtgtgaattg tttgccagct 60
ctgagcctgt gccaggattc cagggggata ccctgcagct agcattcatt gacctcagac 120
aactccttga cctgtttatg gtttgggatt ggtctactta cctagctgat tatgggcagc 180
cagcttctaa gtaccttcgg gtgaatccaa acacagccct tactcttttg gagaagatga 240
aggatactag caaaaagaac aatatatttg ctcagttcag gaagaatgat cgagacaaat 300
agaagttgat agagacagtc gtgaaacagc tgagaagttt ggtgaatggt atgtcccagc 360
acatgtagac ctcacatggc ttgcactcag tgacaccaa tccatgattc aatgttgatc 420
ttgagcaagt attggtcatg atacagtaat ttgtttacag aatccaaaaa tacaatagag 480
aagatacatg agggcttaaa caagaaatag taataaatat cattngtatt ggatttttaa 540
ataatcgatc tattttatat atggaaaaaa aatgaccatt ttttcacttt taggggnaaa 600
attgcnaaan nngtaatact taaattg 627
```

&lt;210&gt; 2192

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (269)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (308)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (321)

&lt;223&gt; n equals a,t,g, or c

1459

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (334)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2192

```
ggggaccact ntcttcttgg tacttctcag attttttttt ctttataacc cgtatgaatg 60
gtaggatcat tccttttttt gttccattta gagaaataac gtatgcagtg ggacccaaat 120
tctttttcac tcattgcatt attttgctct aaatacaggt aagtgtgtta acagaccagg 180
tggagggtca gggagagaa attcgagatt tggagttttg cttgaagagc acagagagaa 240
gttgaatgcc acagaagaaa tgctggaana ggtatgtcaa aggccagaac caagatggga 300
ttccctgntg aactntgtga natgctgcat tctntgttgg gtt 343
```

&lt;210&gt; 2193

&lt;211&gt; 642

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (609)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (611)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (624)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (639)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2193

```
gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg 60
agaagacgac agaaggggtt ttcgcaacgg gtttgccgcc agaacacagg tgctcgtgaaa 120
```

## 1460

```

actacccta aaagccaaaa tgggaaagga aaagactcat atcaacattg tcgtcattgg 180
acacgtagat tcgggcaagt ccaccactac tggccatctg atctataaat gcggtggcat 240
cgacaaaaga accattgaaa aatttgagaa ggaggctgct gagatgggaa agggctcctt 300
caagtatgcc tgggtcttgg ataaactgaa agctgagcgt gaacgtggta tcaccattga 360
tatctccttg tggaaatttg agaccagcaa gtactatgtg actatcattg atgccccagg 420
acacagagac tttatcaaaa acatgattac agggacatct caagcttgac tgtgcttgtc 480
ctgattggtt gcttgctggt gttggtgaat ttggaagctg gnattctcca agaatgggca 540
agaccccgag agcattgccc tttctggntt acaccacttg ggtggggaaa caacttaaat 600
ggcgggggnt naacaaaaat gganttcac ttgggccnc cc 642

```

<210> 2194

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<400> 2194

```

gtgaaaaacc atatggcata gttgaaaaga agtccagaat attccctggt gatacaattc 60
tggagactgg agaagtaatt ccaccaatga aagaatttcc tgatcaacat cattaaagat 120
tatgtaaaaa gttaaaaggc ttatgagcct aagtttggtc ctatattacc atatttactg 180
aattttcttg aaanntaact tttaaataaa antttaatct cagaaatttg tcattgnnc 239

```

<210> 2195

<211> 290

<212> DNA

<213> Homo sapiens

1461

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<400> 2195  
gcgggcgagcag acggcggcag tgcggccttgc tcttgggaagt tcaggctcgg ttgtcttttg 60  
ggagccatgg agagtgactt ttatctgcgt tactacgtgg ggcacaaggg caagttcggc 120  
cacgagttcc tggagtttga gtttcgaccg gacgggaagt taagatatgc caactcagct 180  
gctgctgntt ccatgtgttc tgggttcana ggtcatggct ncaccgtca gacnctgag 240  
tgnctcaggg tttggcaatg gaatttttaa tgtaataaat ctttatngaa 290

<210> 2196  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

1462

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<400> 2196  
ggcanagcag agagcagtgt acgatgagca gggaacagtg gacgaggact ctctgtgtgt 60  
cacccaagac cgagactggg aggcgtattg gcggctactc tttaaaaaga tatctttaga 120  
ggacattcaa gcttttgaaa agacatataa aggttcggaa gaagagctgg ctgatattaa 180  
gcaggcctat ctggacttca aggggtgacat ggatcagatc atggagtctg tgctttgcgt 240  
gcagtacaca gaggaacca ggatgaagga ntatcattca gcaagctatt gacgccggag 300  
aggtcccatc ctntnaatgc ctttgttcaa agattcgaaa caaaggtgna tgcaagggaa 360  
aaggngggct caggang 377

<210> 2197  
<211> 541  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>



1463

<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1464

<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (371)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (389)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)

1465

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (446)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (473)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (489)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2197

```

caaagagtct accctgcacc tgggtgctccg tctcagaggt gggatgcaga tcttcgtgaa 60
gacctgact ggtaagacca tcaccctcga antggagccg agtgacacca ttgagaatgt 120
cgaggcaaaag atccaagaca aggaaggcat cctcctgac cagcanangt tgatctttgc 180
cggaaaaacag ctggaaaatg gtcgnnccct gtctgactac cacatccaaa nagatccacc 240
ctgcacctgg tgctccgtct canangtggg atgcaaactt tccngaagac ctgactggta 300
anancatcan tctcgaantg gaccaaatgn cacnttgaca atatcgnnngc tagatcccan 360
acaaagaaaag ngncctctct gaacancana agttgatctt ttgggtgggga aacanttgga 420
anatggaccc cctgtcttg actacnacat ccgaaagat ttccccctt gnccttggg 480
tgctnccnc ctttataang tgggggatgc aaaatcttcc ctntcaaaaa accccgaatt 540
g                                                                 541

```

&lt;210&gt; 2198

&lt;211&gt; 282

1466

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
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<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
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<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)

1467

<223> n equals a,t,g, or c

<400> 2198

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agggggatnt caatcggaaa cnctaacaan ttaccagg aaaccgctat gaccatgatt 60
acgccangct ctaatacgac tcactatagg gaaagctggt acgcctgcag gtaccgggcc 120
ggaattcccg ggtcgacca cgcgtccggg gttcagagct ttctggagng atatcttcag 180
cttgtgatna agagncaa atggaacgaa gagngatcac gatttctaaa tcagaatatt 240
ctgngcactc atctttggca tccaaagntg atgttgagca gg 282
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<210> 2199

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (188)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (202)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1468

<222> (312)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (322)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (404)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (418)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (474)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (480)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (484)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (507)  
 <223> n equals a,t,g, or c

<400> 2199  
 ggcgttcttg gcgtcgggac cctacctgac ccatcagcaa aaggtgttgc ggctttataa 60  
 gcgggcgcta cgccacctng agtcgtggtg cgtccanaga gacaaatacc gatactttgc 120  
 ttgtttgatg agagccccgt ttgaagaaca taagaatgaa aaggatatgg cgaaggccac 180  
 ccagctgntg aatgaagccc anggaaagaa ttctggtacc gcagnattna cagccataca 240  
 tcttcctga ctctcctggg ggcacctct atgagagata cgattgctac aaggteccan 300  
 aatggtgctt anatgacttg gnaccttctt gagaaggcaa tgtatcctga ttactttgcc 360  
 aagagagaac agtgaagaa actgcggagg gaaagctggg aacnagaggt taagcagntt 420  
 gcaggaggaa acgccacctg gaggtccttt aactgaaagc ttttgcccc tgencgaaan 480  
 gaangtgatt ttgccccac ttgtggn 507

<210> 2200  
 <211> 331

1469

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<400> 2200  
gcgctgttgc ttgggaaaaa gggcatcgag aagaacctgg gcatcggcaa agtctcctct 60  
tttgaggaga agatgatctc ggatgccatc cccgagctga aggctccat caagaagggg 120  
gaagatttcg tgaagaccct gaagtgagec gctgtgacgg gtggccagtt tccttaattt 180  
atgaaggcat catgtcactg caaagccgtt gcagataaac ttgggatttt aaattgcttt 240  
ggngatgatt actggattga catcatcatg ccttccaaat tgggggtggc tctgngggcc 300  
cttaataaag ccgncttgat tttaaaaaan n 331

<210> 2201  
<211> 476  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

1470

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2201

```
ctcgtgttct tgctgatatt accaagtcac tgactaatcc tacgccaata caaqagcaac 60
tgagacgctt cactgaacat aactccagtc caaatgtcag tggaagcctc tcctctgggc 120
tgcagaaaat atttgangac cccactgaca gtgatttgca taaactaaaa tctccaagcc 180
aggacaacac agacagctac ttcagaggga aaacattatt gctgggttcag caagcctcct 240
ctcagagcat gacttattct gaaaaggatg aaagggaaag tagccttcct aatggtcgga 300
gcgtctccct catggacctc caggncactc atgctgctca agtggagcat gcctctgtca 360
tgcttgatgt gcctatacgc ttgaccggaa gccagctttc cataaccagc gtggccagca 420
tcaaacagct gcgggaaacc cagagcactn cccaaagtgc accccaagtg agaagg 476
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&lt;210&gt; 2202

&lt;211&gt; 209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



1471

<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<400> 2202  
gactagntnt ttatcgcnag cgttcgntcn agaggatcca ggcttacgta cgcgtgcatg 60  
cgacgncata cactcttcta tagtagcnac ctacantcaa tncactggcc gtcgttcaac 120  
naccgagcacg actgggaaaa ccctggagct acccaactta ntacgccttg cagcacatgc 180  
cccnntcntc agctggcgta ataaggga 209

<210> 2203  
<211> 311  
<212> DNA  
<213> Homo sapiens

<220>

1472

<221> misc feature  
 <222> (186)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (243)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (258)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (270)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (296)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (307)  
 <223> n equals a,t,g, or c

<400> 2203  
 gcagcggcca cagcaattat atggtggact ggtaccaaca gagaccaggg aaggggccccc 60  
 ggtttgtgat gcgagtgggc actagtggag ttgtggggacc caggggggat ggcattccctg 120  
 atcgcttctc agtccttgcc tcaggcctga gtcgggacct gaccatcacg aacatccagg 180  
 aaagangatg agagtgacta ctactgtggg acagatcatg gcagtgggaa caacttcctg 240  
 tcngttttcc cgcggaangg aaccaaactn aaccgtccta ctttcagccc caaggntgcc 300  
 cccccngtt c 311

<210> 2204  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (55)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (93)  
 <223> n equals a,t,g, or c

1473

<220>  
 <221> misc feature  
 <222> (214)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (292)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (308)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (323)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (351)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (366)  
 <223> n equals a,t,g, or c

<400> 2204  
 ggaccttttg agttccagct taagggtatc agcctccctg gctgatgtaa gtcanaggcc 60  
 tcttataccc actttgatga ggaaggactg tanagttgat gccaggcaga aacaggcaca 120  
 tatgtgtgtc ttctgcctct cccagatcc tgtacttcac caatggccat ctgtatccaa 180  
 ctggttctaa atcaaacggg tcagcctgct tcanaacccc cccacagtgg ggggtggcac 240  
 actgaaactg actgacgtcc accctcanat actggaacct acctctgcca antcaacaac 300  
 ccacccanat ttctacccca atnggttttg ggctaatacca accttactgt ncttgttccc 360  
 ccccenttat cccctta 377

<210> 2205  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 2205

1474

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accgcccctg cctgcagttg aacgagtaaa gcctagaatc aaaaagaaaa caaaacccat 60
agtcaagcca cagacaagcc cagaatatgg ccaggggatc aatccgatta gccgactggc 120
ccagatccag caggcaaaga aggagaaggt ggccaagcgc aatgcagccg agaacatgct 180
ggagatcctt ggtttcaaag tcccgcaggc gcagccacca aaccgcgact caagtcagag 240
gagaagacac ccataaagaa accaggggat ggaagaaaag taaccttttt tgaacctggc 300
tctgggggatg aaaatgggac tagtaataaa gaggatgagt tcaggatgcc ttatctaagt 360
catcagcagc tgcctgctgg aattcttccc atgggtgccc aggtcgccca ggctgtagga 420
gttagtcaag gacatcacac caaagatttt accagggcag ctccg 465

```

&lt;210&gt; 2206

&lt;211&gt; 332

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1475

<222> (106)  
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<220>  
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<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
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<222> (190)  
<223> n equals a,t,g, or c

<220>  
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<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)

1476

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (300)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2206

```

gggggtgcaag agaccnccaa tgggtagenc gccctacttt gantgaangg ancgcccgcga 60
gggtacccggt ccggaattcc cgggtcgacc caccgcceet ttinntngccn ggggtgcagcc 120
ctgntggcag ggggcatttg ggngncaatc gatggggcat cctttctgaa gatcttcggg 180
ccactgncgn ccagtgccat gcagttngtc aacgtgggct actncctcat cgcagccggc 240
gtagtgggtct ttgctcttgg antcctgggc tgntatgggtg ctaagactga gagcaagngn 300
gccctcgtga cgtacttcta catcctcctc cn 332

```

&lt;210&gt; 2207

&lt;211&gt; 452

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (405)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1477

<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (452)  
<223> n equals a,t,g, or c

<400> 2207  
ggccagcatt gcttctacca gctggcggca cttcgcgagg gtggcttaca ttgtggaagg 60  
ggactttact ggtgttctcc ttccagaact agtagtttct atagtgttc tgctcagtaa 120  
aaatgctggt ctcattgcaag aggctggagc tgtacctntg ctgggtggcc tgttggaaca 180  
tctggatcgg ttcaaccatc tggcaccagg aaaggaacgg gatgatcatg aagagtttagc 240  
ctgcctggca taatggagtc attttttaca ggtcagaact gtagaaataa tgaggaagtg 300  
acacttatac gcaaagctga tttggagaac cataataaan atggangctt ctggactgtg 360  
attgacggga aggtgtatga tataaaggga ctttcagaca cagtnggtaa caggaaatan 420  
tattctgctt aanttgnaag ggaaagaacc an 452

<210> 2208  
<211> 295  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1478

<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<400> 2208  
gatttaatta tnnnctagat tgtctgggca acggcagaac ggagtgccac tgtggagcan 60  
ataactgcag tggttttcta ggagtgcggc caaagtcggc atgtgcgtna acaaatgaag 120  
agaaggcaaa aaatgctaag ttaaaacaga agagacgaaa gatcaaaaca gaaccaaagc 180  
atatgcatga agattactgt tttcaatgtg gagatgggtg anagctggtc atgtgtgaca 240  
aaaaagantg tccaaagtat accaccttcc tattgccttn aanctgactt aagcc 295

<210> 2209  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>



1479

<221> misc feature  
 <222> (332)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (345)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (381)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (396)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (399)  
 <223> n equals a,t,g, or c

<400> 2209  
 ggaaagcgcc gagatgacgg gctttctgct gccgcccgcga agcagagggga ctcggagatc 60  
 atgcagcana agcagaaaaa ggcaaacgag aagaaggagg aacccaagta gctttgtggc 120  
 ttcgtgtcca accctcttgc ccttcgcctg tgtgcctgga gccagtccca ccacgctcgc 180  
 gtttcctcct gtagtgctca caggtcccag caccgatggc attccctttg cctgagttct 240  
 gcagcggggtc ccttttgtgc ttccttcccc tcaggtagcc tctctcccc tggggccactc 300  
 ccggggggtga ggggggttacc cctttccagt gntttttatt cctgnggggc ttaccccaaa 360  
 agtattaaaa agtagctttg naattcaaaa aaaatntant 400

<210> 2210  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (164)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (265)

1480

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (304)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (377)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2210

```

gtgnaacgtc cgacagaacg agggggacgta acggaggcag gttggagccg ctgccgtcgc 60
catgaccgcg ggtaaccagc gtgagctcac ccgccagaag aatatgaaaa agcagagcga 120
ctcgggttaag ggaaagcgcc gagatgacgg gctttctgct gctncccgca agcagaggga 180
ctcggagatc atgcagcaga agcagaaaaa ggcaaacgag aagaaggagg aacccaagta 240
gctttgtggc ttcgtgtcaa ccctnttgcc cttcgctgt gtgcctggaa ccaagtccca 300
ccangctcgc gtttctcct ttagtgctc acagggccag naccgatggn attccctttg 360
cccttgantc tgcaacnggg g                                     381

```

&lt;210&gt; 2211

&lt;211&gt; 457

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

1481

<220>  
 <221> misc feature  
 <222> (9)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (58)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (447)  
 <223> n equals a,t,g, or c

<400> 2211  
 ggnccagngna aaaagtgtgn cctccatata cccaagaaat gagtgcttta gcgaaagnac 60  
 ctaattcagc gtcttttgat gaaagatccc aagaagagat tgggatgtgg tccacgtgat 120  
 gcagatgaaa tcaaagaaca tctcttcttt cagaaaataa attgggatga tttagccgcc 180  
 aaaaaagtgc ctgcaccatt taagccagtc attcgagatg aattagatgt gagtaacttt 240  
 gcagaagagt tcacagaaat ggatcccact tattctcccg cagccctgcc ccagagttct 300  
 gaggaagctg tttcagggct attctttggt gctccttcca tcctattcaa acgtaatgca 360  
 gctgtcatag accctcttca gtttcacatg ggagttgaac gtctggagtg acaaattgtg 420  
 ccaggagtgc aatgatgaag gactctncat tctatca 457

<210> 2212  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 2212  
 tgaaaaggac tcttggaag tgaaaacttt agatgaaatt cttcaggaaa agaaacgaag 60  
 gaaggaacaa gaggagaaag cagagataaa acgcttaaaa aataacaacg cttcttcggt 120  
 gaagttcttt tgtacttcca aatgtcgcag tctgatgacc gggattccaa gcgggattcc 180  
 cttgaggagg gggagctgag agatcaccgc atggagatca caataaggaa ctccccgtat 240  
 agaagagaag actctatgga agacatctcc ccacaactgc cactgctcac caggacaagc 300  
 tgcccttctt gtctccacct ctccagtcctc ctagaatgga tggctggggg agaggtggag 360  
 gctgacagct gagacgtagt gtca 384

<210> 2213  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

1482

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2213

```
gaactgtctt cagtagttag ttcaagtgga acagaggggtg cttccagttt ggagaaaaag 60
gaggttccag gagtagattt tagcataact caattcgtaa ggaatcttgg acttgagcac 120
ctaattggata tatttnagag agaacagatc actttggatg tattagttga gatggggcac 180
aaggagctga aggagattgg aatcaatgct tatggacata ggcacaaact aattaaagga 240
gtcgagagac ttatctccgg acaacaaggt cttaacccat atttaacttt gaacacctct 300
ggtagtgga caattcttat agatctgtct cctgatgata aagagtttca gtctgtggag 360
gaagagatgc aaagtacagt tcgagagcac agagatggag gtcatgcagg tggaatcttc 420
aacagataca atattctcaa gattcagaag gtttgtaaca 460
```

&lt;210&gt; 2214

&lt;211&gt; 388

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (348)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (358)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

1483

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2214

```
ggtacagtcc ggagctgagg ngaaggngtc cggggagtct ctgagcatct cctgtcaggt 60
gtctggatac accctcacca gttattggat caactgggtg cgccagatgc ccgggaaagg 120
cctggagtggt atgggcaggc ttgatccttc tgactctttt atcaattaca atccgtcctt 180
cgaaggccac atctccatct cagctgacaa gttcatcagc accgcctatt taaagtggaa 240
caccttggag gcctcggaca ccgccatgta ttactgtgcc ctttccgggc gacaacaact 300
cgtccccgtc tactggggcc agggaaacca ggtcanccgn cttcttanca atccccganca 360
gncccaaagg ctttccgctg aacctttg                                     388
```

&lt;210&gt; 2215

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (151)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (189)

&lt;223&gt; n equals a,t,g, or c

1484

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>

1485

<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1486

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2215

```
naattcggca nagccaaaat gtaccggggt gtgctggatg ccacgcagag gcagcttaca 60
gtcaccgtga ctnagnaagt tctcagtgag gttcaaggag aacagtgtgg ctgtcaaggt 120
cgtccagggc cctgcaggtg gtgacaacag naagntacgt tacaaaaaaa aggggagtca 180
ttgcttgngn gtgactntgc agttaggagg gggcaccatg cagagatggc anttnccttc 240
tcctgaacca gcactaatch cnccttgnc tnnctttttt ggggggttnt ttaancncnt 300
tnnntngggg ggggnanggg tnggggttta aantncctt ttggggggaa aaaaaaaaaa 360
aaaatttttg ggggggggnc cccg                                     384
```

&lt;210&gt; 2216

&lt;211&gt; 289

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (151)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (181)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (211)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (220)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c



1487

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<400> 2216  
gattgaacag aagtatgcc a tatagtacaa ttacagctat gttacaggat caaaattaat 60  
ttcaaaccctt ccaaccaacc ctataagccg tctcatcagt ctctaataga ctcattttca 120  
gctattagat atggatgata tatgatgatt ncattatcat atttttcaag gacttactta 180  
ntggctgatt atcagtggt a atcctccaa ngagaaaatn gatgatctga agaaactggn 240  
gttagtgagt gccaagattn gaccaantgg gcatatgcct tgtggaatt 289

<210> 2217  
<211> 408  
<212> DNA  
<213> Homo sapiens

<400> 2217  
ctgggagcgc ctgccttctc ttgccttgaa agcctcctct ttggacctag ccaccgctgc 60  
cctcacggta atgttggaact cggtgacaca cagcaccttc ctgcctaata catccttctg 120  
cgatccccctg atgtcgtgga ctgatctgtt cagcaatgaa gactactacc ctgcctttga 180  
gcatcagaca gcctgtgact catactggac atcagtccac cctgaatact ggactaagcg 240  
ccatgtgtgg gagtggctcc agttctgctg cgaccagtac aagttggaca ccaattgcat 300  
ctccttctgc aacttcaaca tcagtggcct gcagctgtgc agcatgacac aggaggagtt 360  
cgtcgaggca gctggcctct gcggcgagta cctgtacttt caattcct 408

<210> 2218  
<211> 614  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (553)  
<223> n equals a,t,g, or c

1488

&lt;400&gt; 2218

```
ccaaccctca ctaaaggga caaaagctgg agctccaccg cggtgncggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgaggaa aattgaacaa gatggacggg 120
tccaggaaag aggaggagga agacagcaca ttcaccaaca tttctcttgc agatgacata 180
gaccattcct caagaatttt gtatccaagg cccaaaagtt tgttacccaa gatgatgaat 240
gctgacatgg atgatctctc tgcaagagta gatgcagtta aggaagaaaa tctgaagcta 300
aaatcagaaa accaagttct tngacaatat atagaaaatc tcatgtcagc ttctagtgtt 360
tttcaaacaa ctgacacaaa aagcaaaaaga aagtaaggga ttgacaccct tctgttttat 420
ggaattnctg ctgatcattt tttctttaaa acttggatag attccaaaag ttacagtacc 480
tttgtggctt cattgaatat ttatgaagat aatgtcagat gtagacaaaa ataacacaat 540
aacaggagac ttncataagt ttgtgtatta tgtagtcta tgaaaacgtg caaatgtatt 600
gtagagactt tatg 614
```

&lt;210&gt; 2219

&lt;211&gt; 651

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (562)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1489

&lt;222&gt; (608)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (620)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (628)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (629)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (651)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2219

```
gaaaagaaaa aaaatctctc cccgttgaac aaaagatgca aagcgattga gaggggtccaa 60
agttattttta ttgatcaact gaataaatat acataaatgt tactttcttt ttctttactt 120
tattttttttt tccccattcc agatcctggg tgtttggtcg acctacagat acaggaacca 180
gaaagaccccc cgcgcggaatc ctagtgcatt cctttgatga gaaaacaagg aagatttcct 240
ttcgtatttat gatcttggtc actttctgta attttctggt aagctccatt tgccagttta 300
aggaaggaaaa cactatctgg aaaagtacct tattgatagt ggaattatat atttttactc 360
tatgtttctc tacatgtttt tttctttccg ttgctgaaaa atatttgaaa cttgtgggtc 420
ctgaagctcg gtggcacctg gnaattaatg ggattcaatg gccggcactn gncnttggg 480
ccttnttaag catttttacc tggcaaaaaa actttgggtg ggaccctcg gggtgggtta 540
atatggggaa atctgaacgt anaattttaa ctgggaataa ataatatgaa ccctgggctg 600
gggaaaaangg tcctactggn aaaaaganng ggaaattatt aaaatcagaa n 651
```

&lt;210&gt; 2220

&lt;211&gt; 569

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

1490

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>

1491

<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1492

<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (512)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (520)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (529)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (531)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

<400> 2220  
tgganggaaa gtggactccc cgccgtngcn gccactctaa aactantgna tcccccgggc 60  
tgcataaatt cggcacgagg gctgttgccg accctgcacg gggcgcgtea catgggtccg 120  
gacgcaccgg aaattccgca aggtggcagt ccagccnctt gctcangatt ccggcctaac 180  
ccggagctga cggaggcnct gaccaccagc ttctgtgcgga ggctgtttctg gggtagccng 240  
ggcgcgngaa ctccgctcgc tgaanctttg agaactncca gcgcatectc nagegatect 300  
gtctcagcgc ctgngagcct gaccgctgaa nagnncngac aacctttctt gtaccncggg 360  
acccccaggt ttttgccaat ccngaataa ancnnngggag tcgtcacngg ctctctcgcc 420  
ctcaaggtgg aaatcntggc ctgtgcctcc caaaacaaag tggggaaccc agtctcggtc 480  
acctgggaac atggtgaaca tgtgaatgca anactctggg atcggaagnc ngaattncaa 540  
atgtgactcc acctcttgtg aagccgtga 569

<210> 2221  
<211> 414  
<212> DNA  
<213> Homo sapiens

<220>

1493

<221> misc feature  
 <222> (379)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (398)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (400)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (407)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (412)  
 <223> n equals a,t,g, or c

<400> 2221  
 gcccacgcgt ccgggaggat gagcaattcc ccagcatacc ggctctgggt cacagttata 60  
 tgacaggcag gcgcccactg tcccaggcca caggggctgt ggtctccagg cctgtgactt 120  
 ggcaggggcc tctgcgacgc agcttttagcg aggacaccct gatggatggc ccagctcgga 180  
 tagagcctat cagggcaagg aagtggagca acagtcagcc tgcagatttg gcacatatgg 240  
 ggcagtcaag agaagacccc gctgggatgg aagcctccac catgcccata tctgccttgc 300  
 cccgaacgag cagttgaccc cgggtgttgc gaaggccct gctccctggg aacttgttgc 360  
 cgacaagtct cagggcctnc gatgggcaac ttaagccnan gcaccancga ancc 414

<210> 2222  
 <211> 571  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (169)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (360)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (367)

1494

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2222

```
gcctccggga cttggaacgc cccggctggg tgggtgtccgg gcgtcctttc cccgcttctt 60
cccacctcgg ctggtcccgt ttctctctgc gcccagtgcg gacctgtctc ggcgcccgct 120
gccctctcac cgccccacgc aggatcccgg cctgggtcacc gggcagtgng atgcttcccg 180
actgccgcgg ggacagcgag gcacacacag ggcttggggc gcgccggagg ccacacggcc 240
tggctgagtt gtccttggtc tccgcctctc cccaggcgac ccggaggtag catttcccag 300
gaggcacggt cccccccagg gggatgggca cagccacgcc agatggacga gaagaccaan 360
aaagcanagg aaatggccct gagcctcacc cgagcagtggt cgggcccggga tgaacagggtg 420
gcaatgaagt gtgccatctg gctggcagag caacgggtgc ccctgagtgt gcaactgaag 480
cctgagggtct ccccaacgca ggacatcaga ttctctcatgg ngcaaaatgg ccattccagc 540
tncatccagc catnacantn acagggagga a 571
```

&lt;210&gt; 2223

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



1495

<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
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<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<400> 2223  
atntaattcc catcctaaac ccctttgnaa tacgcctcac tatagggaaa gctgggtacgc 60  
ctgcaggtac cgggtccggaa ttcccggggtc gaccacgcg tncggccant aagcaagctg 120

## 1496

gacaaaagaa gaaacaagga catgacchnaa aggctgctgn caaagctgcc ttaatatata 180  
 cctgcactgt ctgtaggaca canatgncag accctaanaac cttnaagcag cactttgaga 240  
 gcaagcatcc taagactcca nt 262

<210> 2224

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<400> 2224

gtaaataaca gatgcgggtg aaagatccaa ctaaagcttt acctgagaaa gccaaaagaa 60  
 gtaaaaggcc tactgtacct catgatgaag actcttcaga tgatattgct gtaggtttaa 120  
 cttgccaaaca tgtaagtcac gctatcagcg tgaatcatgt aaagagagca atagctgaga 180  
 atctgtggtc agtttgctca gaatgtttta aagaaagagg attctatgat gggcagctag 240  
 tacttacttc tgatatttgg ttgtgcctca agtgtggctt ccagggatgt ggtaaaaact 300  
 caganagcca acattcatt 319

<210> 2225

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

1497

<220>  
 <221> misc feature  
 <222> (461)  
 <223> n equals a,t,g, or c

<400> 2225  
 atattgaaag ttggggcgcc tgcaggtacc ggtccggaat tcccggggat ttcaactcct 60  
 agcttttcat cctactataa aggaggattt gaacagaaaa tgagtaggcg agaagctggt 120  
 cttatttttag gtgtaagccc atctgctggc aaggctaaga ttagaacagc tcataggaga 180  
 gtcattgattt tgaatcacc agataaagggt ggatctcctt acgtagcagc caaaataaat 240  
 gaagcaaaaag acttgctaga aacaaccacc aaacattgat gcttaaggac cacactgaag 300  
 gaaaaaaaaa gaggggactt cgaaaaaaaaa aanaaaagggt cggccgctct agaggatcca 360  
 agcttacgta cgcgtgcatg cgacgtcata gctcttctat agcggcacct anattaattc 420  
 actgcnncnc gttttacaac gtccgactgg aaaaaccct ng 462

<210> 2226  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (7)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (18)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (33)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (457)  
 <223> n equals a,t,g, or c

<400> 2226  
 taanggnaca aagctggngc tccaccgcgg tgnccggccgc tctagaacta gtggatcccc 60  
 cgggctgcag gaattcggca cgaggaggag agcatgaatg agagtcattc tcgcaagtgt 120  
 gcagagtctt ttgagatgtg ggatgatcgt gactcccact gtaggcgccc taagtttgaa 180  
 gggcatcccc ctgagtcttg gaagtggatc cttgcaccgg tcattcttta tatctgtgaa 240

## 1498

```

aggatcctcc ggttttaccg ctcccagcag aagggtgtga ttaccaaggt tgttatgcac 300
ccatccaaag ttttgaatt gcagatgaac aagcgtggct tcagcatgga agtggggcag 360
tatatctttg ttaattgccc ctcaatctct ctcttgggaa tggcatcctt ttactttgac 420
ctctgctcca gaggaagatt tcttcttcat tcatatncga gcagcagggg acttgacaga 480
aaatctataa ggg                                     493

```

&lt;210&gt; 2227

&lt;211&gt; 520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2227

```

gtcnnngac agtgacngta cngtattccc gggtcgaccc acgcgtccgg taaaattctg 60
ggctctggta tcagttcctc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa 120
gtgatgtaac atctgtcaaa gatgcaaaaa tagcagtgtg ctcttgctct tttgatggca 180
tgataacaga aactaaggga acagtgttga taaagactgc tgaagaattg atgaatttta 240
gtaagggaga agaaaacctc atggatgcac aagtcaaagc tattgctgat actggtgcaa 300
atgtcgtagt aacagggtggc aaagtggcag acatggctct tcattatgca aataaatata 360
atatcatgtt agtgaggcta aactcaaaat gggatctccg aagactttgt aaaactgttg 420
gtgctacagc tcttcttaga ttgacacctc ctgtccttga agaaatggga cactgtgaca 480
gtgtttactc tccagaagtt tggagatact cagggtggttg                                     520

```

&lt;210&gt; 2228

&lt;211&gt; 538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1499

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

1500

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (538)  
<223> n equals a,t,g, or c

<400> 2228  
tttacaaactt cnttcnnngg ggggaaaaaa aaggcccttg gggtttaacc cggccccctt 60  
tggcccaaag gggtttaacc cccgggggtt nccccggggg aaaaattttt cccccggggg 120  
gggttnccgn aacccccaaa cggncctgtt tccccggggc cggggggggn aaccggaaac 180  
cgnttttgga aaaaagcccc caattggggg cccccgggct ttaccggtt cccaaaggga 240  
aactttttcc ccaaccccc aagaacttg gttttggggg ttcttgaacc cgggcttncc 300  
aaccaaaaca agggtttgcc ccaangctta gtcacaagtt acccgcggtg tacttacaat 360  
tgccggggcc caaggatgaa gaccangact acatctggac cactcattgc atctacctgt 420  
aacctgacgg ctttacggat actacggcga caatcgctac agattaacat gtcgngnaca 480  
tgcggttcna tgctgcttac cactgatctg cccatattaa cggctgggta aaaaaann 538

1501

<210> 2229  
<211> 554  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (549)  
<223> n equals a,t,g, or c

<400> 2229  
gcgcgcgggtt cgcactttcc aggtttcttc cccaggggaac agagcttgag cgggggggcca 60  
cccccccgctc ctaccggagt tctgaggtgc ggtcaggcgc ggagagcggg cggccagcgc 120  
cagattctgt gggctccgga gttcaggccc actgagccgc agctgagcac aggcggggca 180  
ggaaaaagga tgaggtgagg gaaggcgctg ggttcctgga accccaaggg agcactgagc 240  
tgagtaagtt ngttcctgtc aattgggaac cccctcaacc acttccattc cccaaatacc 300  
tgcgctgcta cggatgcctc ttggagacca aggagttagg gtgccttctg ggatctgaca 360  
tctgcctcac cccagctggc agcagctgca tcaactctcca caaaaagaac agcagcgggt 420  
ctgacgtcat ggtgagtgac tgccgaagta aggagcagat gagtgattgt tcaaataccc 480  
gaacttctcc ggtgtctggc ttctggatat tctctcaata ctgcttcctg gatttctgca 540  
atgaccctna aaac 554

<210> 2230  
<211> 266  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

1502

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2230

```
gcagctgtac aatgccatct tcaatcatta ctctgaaaaa tggaattcag aacatgctgc 60
agttttatat tccggaggta gaaggcgtag aacagggttat ggatgatgaa tcagatgaaa 120
aagaagcaaa ctcaccttaa aataatctgg attttctttg ggcataacan acagacttgt 180
tgatnatata tatcaagttt ttattattaa tatgcntgag gaacttgaag atnaataaaa 240
tatgctcttc atanaatgat atttct                                     266
```

&lt;210&gt; 2231

&lt;211&gt; 295

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (189)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (235)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (245)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)



1503

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2231

```

gttcagctcc aaaagcccct gccacacctg gggcacagnt ggcacctgat gtgagactgc 60
tctatgtgct agccattgcc gcgcttggtg gcctctgcct catcctggcc tctccctcc 120
tctatgtggc ctgtctgcgg gaaggcagac gagggcgccg acggaaatac tcaactgggtc 180
gggccaacnc gggcaggagg atctgcggtg caactgcatg acagtcttaa gccantgtcc 240
tgnanaggaa gatgagggtg atgatgaagg gggcttnggg gccttgaagg gcaan      295

```

&lt;210&gt; 2232

&lt;211&gt; 484

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (464)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (473)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2232

```

gtcgggtgtg agtnttttca gcaaccgggt ccagtactgg gagatacagc catccacctt 60
cagatgtgtc tacgtgcgct ctgccattca actcggaac tataagtaat tctcaagaaa 120
gccctcattt ttataacctg gcaaaatcct gttaatgtca ttgctaaaaa ataaataaaa 180
gctagatact ggaaacctaa ctgcaatgtg gatgttttac ccacatgact tattatgcat 240
aaagccaaat ttccagttta agtaattgcc tacaataaaa agaaattttg cctgccattt 300
tcagaatcat cttttgaagc tttctgttga tgttaactga gctactagag atattcttat 360

```

1504

ttcactaaat gtaaaatttg gagtaaatat atatgncaat atttagtaaa gcttttcttt 420  
tttaatttcc aggaaaaaaa taaaagagta ttgaagnctt ctgnaattca ttnagcaagt 480  
agnt 484

&lt;210&gt; 2233

&lt;211&gt; 508

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (118)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (230)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1505

<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)

1506

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

1507

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

1508

<220>  
<221> misc feature  
<222> (464)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (476)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (493)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (496)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>

1509

&lt;221&gt; misc feature

&lt;222&gt; (505)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2233

```
aattcggcac gagcaagtgc cttgaaacag tatttnagga gtcttccaga gcctctnatg 60
acctatgagt tacatggaga tttcattgtt ccagccaaaa gcggcagccc agaatctngt 120
gttaatgcga tccattttctt ggtacacaaa ctgccagaga agaataaaga gatgttggat 180
atthttggtga aacacttaac aaatgtttna aatnactcca agcagaaccn gangactgtg 240
gcaaacttag gagtgggtgtt tggaccaact ctgatgagggc cacaggaaga aactgtngct 300
gccctnatgg actttgaagt ttcagantat tggtgtggga aatcttaatt ggaaaaccag 360
gaaaagggttt tttnggncgn nncnngnnat taaattnnnn gngnccanct nncctntaaa 420
gnatnanccc gnaantgggg ncagcaaggn nanttgngng ngtnaagggc cagnngnncca 480
gggggncnngn gngcngnttnn aaatnttt 508
```

&lt;210&gt; 2234

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (387)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2234

```
gggctgtggcg gcgctgtgcg cgtgcacaaa agagagctga ggggcggggg cgctgcggca 60
cagctggttt gagcaactga actggaaaca agatgcagga cccaacgca gacactgaat 120
ggaatgacat cttacgcaaa aagggtatct tccccccaa ggaaagtctg aaagaattgg 180
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattcggaga agttttggag atctcangga aggattatgt tcaagaagtt accaaagctg 420
gcgaggggctt gtnggtcatc ttgcaccttt acaaccaagg aattccc 467
```

&lt;210&gt; 2235

&lt;211&gt; 476

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1510

<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

<400> 2235  
ggcttctaag tattctttct agtcatgtga ataggtaatt tgagaaatac atgctcactg 60  
ttcaataactt ttccattatt tttcctcttt tttatagagc taatgtcaaa ccccgaaatt 120  
ccacaccacc tagtttggca agaaatcctg ccccgagggtg gcttacaac aaaagaaaaa 180  
catatactga gagctacata gccaggccag atgggggactg tgcattcttc cttaatggtg 240  
gaaatattaa aggcatgtga ggacattcac ctgggaaactt accaaaattc tgccatgagt 300  
gtggggactaa atacctgtga gaatnggcc aattttgctn tgaatgtggc attcgaagaa 360  
tgattctatg aatagaatct caaaaaaaaa aaaaaaaaaac caagttcaaa agtttatgat 420  
tattgntgnt tggncagct anaacacatc cttaattaan tttgggctaa aaatct 476

<210> 2236  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



1511

<222> (413)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (420)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (425)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (426)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (475)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (478)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (512)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (513)  
 <223> n equals a,t,g, or c

<400> 2236  
 tgcacccacg cgtccgcagt ttttccaggc gtgacagaca tggcggcggc ttttcggaag 60  
 gcggctaagt cccggcagcg ggaacaccga gagcgaacca gcctggcttt cgaaaacatc 120  
 tgggcctggt ggagaaaaag aaagattaca aacttcgtgc agatgactac cgaaaaaac 180  
 aggaatacct cagagctctc cggaagaagg ctcttgaaaa aaatccagat gaattctact 240  
 acaaaatgac tcgggttaaa ctccaggatg gattccacgt tattgaagga gactgaaggg 300  
 aggaagtgaa ctgccagaac aactggaaac tgatgagaac ccagggtgtc caaatatgat 360  
 gagaaatgga aaagggtttg ccgggaactg aaggaaaatt ggaaaganga aantccgagn 420

## 1512

tcccnctgg ctgggatttt cccgggggaa gccngccgga tgaagccatg tggtnnttt 480  
tttgaccac ccaaaaaggg aagttggagc cnnttggatg ttggcca 527

<210> 2237

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

1513

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2237

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gaatgacttt atgggaatca cgctcgcttc tagccaggct gtcagcaacg ccaggaanct 60
ggagtggcca ctgacggaag ttgcataang tgtttttgaa ancgangccc cgggangata 120
taagttctat ttgcaaaatc gcagtctgcc tcagtcanat cctgtattaa aagttactct 180
ngcagtgtct gatcttcaaa aatccttgaa ctactggtgt tatctactgg gaatgaaaat 240
ttatgaaaaa tattataaaa gctatcgggc ttgcttgggc tttctgaaaa acccttggtta 300
anctggancn acaggcntca aggggtggggt gaaacatncc cc 342
```

<210> 2238

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

## 1514

<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<400> 2238  
gttgnagacgc gcttccacac tgatagtata ctnnatttnc naccagtta aagctggtac 60  
ccctgcaggt accggtccgg aattcccggg tcgaccacg cgtecggtgga gctgaatgag 120  
ttgctcctgg acaaaaacca ggagccccag tggcgggaga cagctcgctg gatcaaattt 180  
gaagaagacg tggatgaaga tgcccatgat tcagaggcca aagtggcgag cctgagagga 240  
atggagttac aggggtgctc cagcactcag gttgaatcan aaaataacca anaagaacag 300  
aacaggtgc gcttaccaga aagccgtctg acaccatggg aggtgngggt tattggcnta 360  
gaaaaagaag aacgtgaccg gctgcatctg aaagctntag aggaattaaa tcaacntag 420  
aanaaagaa 429

<210> 2239  
<211> 205

1515

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<400> 2239  
gccccacgcgt cgcgccacgc gttcgggaaa atgagtagca ggcgtncagc gttcccccca 60  
cccgctgct aataaaggag cttccaagc gtgtggggca ttttcgtgga ctacagaatt 120  
ggaaagcatn ttcttttaca atgtgaaaag caagatncca catttataca ttngncagat 180  
ggtttttttt ttgggnccct ttaaa 205

<210> 2240  
<211> 265  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

1516

&lt;222&gt; (249)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (255)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (258)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (259)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2240

```

aattcaatga agcgcggggta aacgggggggg agtaactatg actctcttaa ggtagccaaa 60
tgccctcgta tctaattagt gacgcgcgatg aatgggatgaa cgagattccc actgtcccta 120
cctactatcc agcgaaacca cagccaaggg aacgggcttg gcggaatcag cggggaaaga 180
agaccctggt gagcttgact ctagtctggc acggtgaaga gacatgagaa ggtgtaaata 240
aagtgggang ccccnncnnnc ccccc                                     265

```

&lt;210&gt; 2241

&lt;211&gt; 483

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2241

```

naccaccctc actaaggga caaaagctgg agctccaccg cggtgacgac cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcagagcaaa accaatggta ggaaatgttt 120
ttaggggaatt gggctaattg atagcaatgc agtgatagga tcttaaaata acagtgacaa 180
ggtcgtagtg tttaactgtc agataaatgg caagggtcaaa gtggcagtcg ggaggagtta 240
cttgaggaga tcagtggagt tggttaatag aaaataatat tcttaagggc aagatagatg 300
ggcagctaac aaggctatat cttgaacaat ataatggaaa gaaattatta aaaaacgggt 360
gattaagagg caaagtgcaa ctacacaaat taataaagcg ttatcccttg actagtttct 420
gatcctgagc cagtgcctag gcctagaacc cattgatcaa aaaaagaggt tgaatgtaca 480
gga                                             483

```

1517

<210> 2242  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<400> 2242  
ggcngnacna accctcacta aaggggaacaa aagctggagc tccaccgcgg tgacggccgc 60  
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagggtata caggaaatgg 120  
ataatactgt aacaatctgc agctgtctca tatgttatat aaagaatgaa ctcataacag 180  
tgagaaaagg gtatgtagtg cctttatgaa tactaaaaaa ataggtcaaa ttcttggnat 240  
atgtatgact tggttttatt ataattatga aaccctttaa cctattattc ttttaaatac 300  
aagcagaaat acaagacatt gccattacca gttagcttta atagactcaa gaaacaaaat 360  
agtctcttaa gttttatgta agtgataaaa taaactaaga gttcctcata gatataatac 420  
ttgaaaaatg gtttctagtt agtgacggtg gaataaaatc attttcttac tctcttctct 480  
tgaatgccaa tgaaaagaaa atcaaacaaa agatagaaaa tgtcaatttc aaagacacaa 540  
acaatcaaac aa 552

<210> 2243  
<211> 530  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

1518

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<400> 2243  
ancntgncac cnaaccctca ctaaaggga caaaagctgg agctccaccg cgggtgcngtc 60  
cgctctagaa ctagtggatc ccccggtg caggaattcg gcacgttcgg cacgagcaaa 120  
agatacaaac ttagtatttc caggcattga acagcaggct ttccaggact gtcattccttg 180  
agaaaaatgga gatacatgag gtgagcccca cgtttctccc acctttctgc tcagctttct 240  
gcgacagagc acgttcccgt tgcagcacia gtggagctgc agtatcagaa cctaaggagg 300  
cagagagtgg aattctgggt tgctggcatg actggaatat ttgctagaga ggaggaactg 360  
ctccaagaag ttctagaagt ctctggacat tcaaactagg tcctgagaac tgtatatattt 420  
aaatgcttgc attggaactg ttttaaacca atgatctcaa gtctttgtct taagttagaa 480  
aaagaagggc aaattaaacg ccaagttaat agaaggaata aaatagcaca 530

<210> 2244  
<211> 200  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c



1519

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<400> 2244  
tggntttttn ntnctaactc gaattaccct cactaaaggg aacaaaagct ggagctccac 60  
cgcggtggcg gccgctctag aactagtggg tccccggggc tgcaggaatt cggcacgagc 120  
gctnagccgt ccttctctcgn catgtcccag agcangcacc gcgccgaggn cccgccgctg 180  
gaacgcgagg acagnngggac 200

<210> 2245  
<211> 127  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

1520

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<400> 2245  
acggcacgag gggggggcccg gtaccaatt cgccctataa tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacnt cgtgactggg aaaaccana caccnctcct tctttntang 120  
gccccct 127

<210> 2246  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

1521

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<400> 2246  
tgggggaggn ggntcctcta cttaaaggna acaaaagctg gcccnncccc cgcaagtggc 60  
ggctgctcta gaactagtgg atcccccggt ctgcaggaat tcggcacgag cggcacgagc 120  
ggcacgaggg gggggccggt acccaattcg ccctatagtg agtcgtatta caattcactg 180  
gccgtcgttt nacaacgtcg tgactgggaa aaccacaanga ntnganatt 229

<210> 2247  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
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<222> (103)  
<223> n equals a,t,g, or c

1522

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<400> 2247  
gctcgtgccg aagggggggcc cggtagccaa ttccgcctat ngtagagtcgt attacaaattc 60  
actggccgctc gttttacaac gtcgtgactg ggaaaaaccc annncctct c 111

<210> 2248  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<400> 2248  
gcggcacgag gggggcccg tagcaattcg cctatagtg agtcgtatta caattcactg 60  
gccgtcggtt taaacgtcgt gactgggccc naaaannnn 99

<210> 2249  
<211> 165  
<212> DNA

1523

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (159)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (162)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2249

```
attaaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtgggg gcccggtacc caattcgccc tatagtgagt cgtattacaa ttcactggcc 120
gtcgtttttac aacgtcgtga ctgggaaaac ccaantcnnt tntnc 165
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&lt;210&gt; 2250

&lt;211&gt; 573

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

1524

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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (174)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<220>  
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<222> (180)  
<223> n equals a,t,g, or c

<220>  
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<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
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<222> (195)  
<223> n equals a,t,g, or c

<220>  
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<222> (196)  
<223> n equals a,t,g, or c

<220>  
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<222> (202)  
<223> n equals a,t,g, or c

1525

<220>  
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<222> (228)  
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<220>  
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<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
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<222> (245)  
<223> n equals a,t,g, or c

<220>  
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<222> (253)  
<223> n equals a,t,g, or c

<220>  
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<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
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<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (354)  
<223> n equals a,t,g, or c

<220>

1526

<221> misc feature  
<222> (360)  
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<220>  
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<222> (393)  
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<220>  
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<222> (443)  
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<220>  
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<222> (445)  
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<220>  
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<220>  
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<222> (463)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (466)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (525)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (545)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (550)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



1527

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2250

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tgattctccn cttcgaaagg tcccttcaact aaaaggggaac aaaagcggca gctccaccgc 60
ggtggnggtc gttctncaac tagtggatcc cccgggctgc aggaattcgg tacgagccag 120
agaccanccc atgaagagtg gtgggtggtt tattcaactgg aaatgttgcg ttnttgctnn 180
ccnaaaacnc acgtnnactt cngaggaatg atgggcaaat ctggtctncn tggntgaaac 240
ccttnttttc cntagatgc tttaaccttn gttgggttctg gctntagggt tcatagtcnc 300
ttctgttccc ttctccattc tgganaagga cttcccctac atacaccctg attncttgn 360
gctgtgggga ttggacgtaa cattcaaaga tentatgtgc tttcctcaact tcggatataa 420
acactctggg ttttacagca atnanctgcc taaccttcat ngnganaaat aaaacatctc 480
tcttctactc ctgctgtttc atgcgccact cctttgggggt ctttntcaat ttgttgaact 540
cctanctttn ttccctanaa atttccangt acc 573
```

&lt;210&gt; 2251

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2251

1528

gcggcacgag cggcacgagg gggggcccg taccgaattc gccctatant gagtcgtatt 60  
acaattcact ggccgctcgtt ttacaacgtc ntgactggga aaccnnaaaa nn 112

<210> 2252  
<211> 247  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<400> 2252  
gggggggggg gttggttaat tatttccttc ttcaaaatta accctccnct aaaaggaaca 60  
aaagctggag ctccaccgag gtggcgcccg ctctagaact agtggatccc ccgggctgca 120  
ggaattcggc acgagcggca cgagcggcac gagggggggc ccggtacca attcgcccta 180  
tagtgagtcg tattacaatt cactggccgt cgttttacaa cgtcgtgata ccccnnaaaa 240  
aannttn 247

<210> 2253  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (39)  
<223> n equals a,t,g, or c

<220>

1529

<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<400> 2253  
gcggcacgag ggggggccccg gtacccaatt cgcctatng tgagtcgtat tacaattcac 60  
tggccgtcgt tttaacaacgt cgtgactggg aaaacnnaaa tnn 103

<210> 2254  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)

1530

<223> n equals a,t,g, or c

<400> 2254

gcggcacgag cggnacgagg gggggccccgg tacccaattc gccctatngt gagtcgtatn 60  
acaattcact ggccgctcgtt ttacaacgctc gtgactggga aaaccaant n 111

<210> 2255

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

<223> n equals a,t,g, or c

1531

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<400> 2255  
taaggggaana tttggngccn ctccacaaaa aagtggcggt ttgctctaga actagtggat 60  
cccccggtt gcaggaatcc ngcagagcg ganacgaggg ggggcccgt acccanttcg 120  
ccctatagtg agtcgtntta caattcactg gncgtcggtt tacaacgtcg tgactgggaa 180  
aacccan 187

<210> 2256  
<211> 155  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

1532

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<400> 2256  
ctgctaattct aaggnttcct cntnaataaa gggaacanaa ggcccagctc cacnaaaggt 60  
ggcggttcgct ctagaactag tggatccccc gggctgcagg aatccggnac gagcgnaann 120  
aggggggggccc cggttcccaa ttcggcctat attna 155

<210> 2257  
<211> 125  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>

1533

<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<400> 2257  
gcgggcacgag gggggggcccg gtacccaatt cgccctatan tgagtcgtat tacaattcac 60  
tggccgctcgt ttacaacgt cttgactggg aaaacccaaa tnnttttctn tgtttnttcn 120  
ttncc 125

<210> 2258  
<211> 112  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<400> 2258  
gcgggcacnag cggcaccnagg gggggggcccg taccacaattc gccctatant gagtcgtatt 60

## 1534

acaattcact ggccgctcgtt ttacaacgtc gtgactggga aaaccnaaa nn

112

&lt;210&gt; 2259

&lt;211&gt; 120

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2259

ancggcacga ncggcacgag ggggggccccg gtaccaatt cgccctatan tgagtcgtat 60  
tacaattcac tggccgctcgt ttacaacgt cgtgactggg aaaacccaaa nnnntttccn 120

&lt;210&gt; 2260

&lt;211&gt; 197

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1535

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
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<222> (22)  
<223> n equals a,t,g, or c

<220>  
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<222> (38)  
<223> n equals a,t,g, or c

<220>  
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<222> (96)  
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<220>  
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<222> (120)  
<223> n equals a,t,g, or c

<220>  
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<222> (121)  
<223> n equals a,t,g, or c

<220>  
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<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<400> 2260

## 1536

tncttntaat taaaggcccc tngaggcacc cgcggtgnaa gacgctctat ttctagtgga 60  
tcccccgggc tgcaggaatt cggcacgagt ggcccnaggg ggggcccggt accctcttcn 120  
ncnttttagtg agtcgtatta caattcnctg gccgtcgttt tacaacgtcg tgncctgggaa 180  
aaccatggtt tgttgac 197

<210> 2261

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

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<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

1537

<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<400> 2261  
tgcggcggng aggagagagn tgctcgcnca ttaaccctca aataantggg aaaaaaatct 60  
ggagctccac cgcggtggcg gacgtcttag nactagtgga tcccccgggc tgcaggaatt 120  
cggcacgagc ggcacgaggg ggggcccggg acccaattcg ccctatagtg agtcgtatta 180  
caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccagcna nnaganangg 240  
gc 242

<210> 2262  
<211> 145  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

1538

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<400> 2262  
ngtggagnng aagggatatat tcgcttagct ngccaattaa ccctcantaa tgggaacaag 60  
acctggagct ccaccgcggt ggcggccgct ctagaactag tggatcccc gggctgcagg 120  
aattcggcac gagggtnatn nantc 145

<210> 2263  
<211> 373  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
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<222> (86)  
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<220>

1539

<221> misc feature  
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<220>  
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 <222> (320)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (334)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (335)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (340)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (342)  
 <223> n equals a,t,g, or c

<400> 2263  
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 tcgatatcaa gcttatcgat accgtngacc tcgagggggg gcccgggtacc caattcgccc 120  
 tatagtgagt cgtattacaa ttacttgccc gtcgttttac aacgtcgtga ctgggaaaac 180  
 cctggcggtta cccaacttaa tcgccttgca gcacaatecc cctttngcca gcttggagta 240  
 ataagcgaag aggcccgcac cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa 300  
 tgggacgcgc cctgtagcgn tgcattaagc gcgnnggtgn gntggttacc cgcagtgtga 360  
 ccgctacact tgc 373

<210> 2264  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (3)

1540

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 2264

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gccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgaga tttccaggta 120
gattttctcag ccagctctaa aacagattgc tttttcagtg gccttactct ttgtggggtt 180
tttttttttt ctctgaactt gatataaaga ttttatttgt cccttgaaaa agtaacaaat 240
gtgcatagat caatttgtac tactttgggtc attggatatt tctgatcctt attgcattgt 300
acctaaagga gagtaactaa tggtaacctt tttaatagag tatgtgaaag gtagtggctg 360
atgaatcctt aacgttcata ggggtcttttt gctgttacgg ttgtatatag aggtctggaa 420
ggattttttaa aatg 434
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<210> 2265

<211> 375

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (24)

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<220>

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<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

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<220>

<221> misc feature

<222> (160)

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1541

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<220>  
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<220>  
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<220>  
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<220>  
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<222> (295)  
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1542

<220>  
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<222> (309)  
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<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
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tcnagaacta ggggatnccc cgggctgcag gaattcgata tcaagcttat cgataccgtc 120  
gacctcgagg gggggcccg tacccaattc gccctatagn gagtcgnatt acaattcact 180  
ggccgctcgg ttacaacgnc gagactggga aaaccctggc gntacccaac ttaatcgncn 240  
tgnaggacat ccccttttcg ncagntggcg taatagcgaa gagggccgna ccgancgcct 300  
tccaacagnt gcgcagcctg aatggcgaaat gggacgcgcc ctgtacggng cattaagccg 360  
cggcgggtgt ggnng 375

<210> 2266  
<211> 499  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



1543

<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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<222> (461)

1544

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (473)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2266

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aattcggcac gaggnttcag tggcagcggg tctgggacag agttcactct caccatcagc 60
agcctgcagg ctgaagatgt ggcagcttat tcctgtcagc aatattatag ttttcctttc 120
actttcggcc ctgggaccaa agtggatatc aaacgaactg tggctgcacc atctgtcttc 180
atcttcccg cactctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 240
aataacttct atcccagnga ggccaaagta cagtgggaagg tggataacgn cctccaatcg 300
ggtaactncc aggagagtgt cacagagcag gacagcaagg acagantac agcctcagca 360
gcacctgacg gtgagcaaag cagatncggg gaacacaagt ttaggcttcg agtcancnt 420
cagggctnag ntgnccgtna aaagngttta acaggngngt ntngaggggga gtncccactg 480
ttcttattca gctnaccct 499

```

&lt;210&gt; 2267

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (159)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2267

```

gtgaaaatca ccagagtgga ggctgaggat gttggggttt attattactg catgcaagct 60
ctacaaactc cattcacttt cggccctggg accaaagtgg atatcaaacg aactgtggct 120

```

## 1545

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gcaccatctg ttttcatctt cccgccatct gatgagcant tgaaatctgg aactgcctct 180
gttgtgtgcc tgctgaataa cttctatccc agagaggcca aagtacagtg gaaggtggat 240
aacgccctcc aatcgggtaa ctcccaggag agtgtcacag agcaggacag caaggacagc 300
acctacagcc tcagcagcac cctgacgctg agcaaagcag actacgagaa acacaaagtc 360
tacgcctgcg aagtcaccca tcagggcctg agctcgccccg tcacaaagag cttcaacagg 420
ggagagtgtt agagggagaa gtggccccac ctgctnctca gtttcagcct gaccccttcc 480
atnctttggc ctctgacctt tttc                                     504

```

<210> 2268

<211> 695

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

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<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

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<222> (220)

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<220>

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<222> (236)

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<222> (306)

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<220>

<221> misc feature

<222> (326)

1546

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<220>

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<222> (346)

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<220>

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<220>

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<220>

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<220>

<221> misc feature

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<220>

<221> misc feature

<222> (436)

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1547

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<220>  
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<222> (464)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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1548

<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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 <222> (677)  
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 tctggggttt ggcttatagt gcancacatc agcgtttgtt gtcctgttca gcanatggca 120  
 ctctgcgttt atggaataca actgaagttg ctccagcact aantgtattt aatgatacta 180  
 aagaactggg aatccctgcc tctgtggatc tantgagcan tgacccgagc catatngtat 240  
 catcattcag caagggatat acaaacattt ttaacatgga aacacaacaa cgcatttctca 300  
 ctttanaatc caatgtaata caacanccaa ctcttcctgc caaatnaatt nnantcatca 360  
 ntctcctact ctccgatca acatcctgct ccttaaaaaa ngcnatccaa ttctatnata 420  
 acnattccgg caaatnatcc ctccatggtn ccccccctaa actntttcaa ttttaacctt 480  
 ttaaccccag ggccttacct tnanattttg gccncccaaa aatttcnnaa cnttttttgg 540  
 aacccccaaa ttttaaaatt ttttcccaaa aaatccccc nccccnnaa aaatttttta 600  
 aaaaaaacanc ccccnatttt ttttttncce ccccccaaa tttttttttc cccttttttg 660  
 gaacnaaacc ccggggnaat tttttttttt ttaac 695

<210> 2269  
 <211> 583

1549

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (445)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (462)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (500)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (524)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (582)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2269

nggagcgagc agccccgggaa gggctggccg gcttcgcagc gccccgccgt ggctgcggcc 60  
ggaagcggtc tcgttgcccc tgcggcgctg gagccttgac gcacggagct cgagagcgag 120

## 1550

aacgggagag aaaggggtag aaatggcggc tccgctcggc tcccgtgag gagggcgaag 180  
ccggcgaggt gtctgtgctg ccggtctgca gcaccgcccc cgcttcccgc acgcgcctg 240  
ctcacgccga cttcccttcc tctgcccggc tctctcttgt gctcgtctgc gctccgcacg 300  
ctccgggccc gctcgtctct cattgcccgg ctcggctccg ctggccctga ctgaccggcc 360  
ggcggggccg ccttgcctgg tcttccgggc gcggcggtgga ctccgtcccc tggctggacc 420  
atggtgaaca cccggaagaa ctctnttcgc ttctcgggtn cnagtcttct ggtcccggcc 480  
tggcctgggg cccggaacan aacctggggc gaccgangca canncattta tctcttttga 540  
cccgtctcaa aaccggccgc agtgcccgcg ccaaaccggg gna 583

<210> 2270

<211> 518

<212> DNA

<213> Homo sapiens

<220>

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<222> (20)

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<222> (28)

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<220>

<221> misc feature



1551

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<220>  
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1552

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<220>

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<222> (313)

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<222> (324)

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<222> (331)

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<222> (363)

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1553

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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
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<220>  
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<220>  
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<222> (496)  
<223> n equals a,t,g, or c

<220>  
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## 1554

&lt;400&gt; 2270

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cacctgtggg ccanggctac ttccacctgc tggatcacaa angccnggct cnetgcnaag 120
ctgacttccg gggccactgg gtgctgatat tctttggctt cactcactgc cctgacatct 180
gcccacaaca actggaaaaa ctngtgcaag tngtncgaga gctgnaaaca aanctgggtt 240
tcctccagtn cacctgtctt catcactgtt gacccaacn ggatnacttt aaccntgncc 300
nctacttcaa ganttcacc ccnanatgtt nggtctnacc ggctcccaa anatgttgcc 360
cnngctaata ccattnccgc tttnttcaa ttccnggcc ncgatnaagg aacatgaata 420
ctcttgaaca tcctttgctc tactctcacc cttanggtc ttcccgatta tacgnccgaa 480
caatcggtna acaatnttna ctttttcggg ggaaatgg 518

```

&lt;210&gt; 2271

&lt;211&gt; 184

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (142)

&lt;223&gt; n equals a,t,g, or c

1555

<220>  
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<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

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gtggccatgc acagcctggg tntggcttct atctatganc agactgacga catcnnggat 180  
gttc 184

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<212> DNA  
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1556

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1557

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1558

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<220>  
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<220>  
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<222> (509)



1559

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (516)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (527)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (579)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (609)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (636)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (650)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (663)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (669)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2272

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cgtgggggctg gagctccacc gcggtggggg gccgctctat aactaatgga tcccccgggc 60
tggatgaatg cggcccagagg tnatgtctca caaanagtnc tccgcnccca gacatggggtc 120
ccnngcttct ctgcctcgga agcgancac cnggnntcgt gggaagggtga anatcttccc 180
taaggatgac ccatccaagc cggctccacct cacatccttc ctgggataca aggctggcat 240
gactcacatc gtgnggggaag tcgacaggcc gggatccang gtgaacaana aggagggtggt 300
ggaggcngtn accattgtng agacaccacc catggtggtt gtgggcattg tgngcnacat 360
gaaaaccctt cgangcctcc ggaccttcan tactgtcttt gctgancaca tcagtgatga 420
atgcannagg cgtttctatn nnaattggcn ttcattctaat aacaangcct ttaccatnta 480

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## 1560

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ctgcannaaa tngcaggatn aggatngcna gaagcngctg ggagaangac ttcagcagca 540
tgaaaaaata tgcccagtc tccgtgtcat tgcccacanc caggattcgc ctgcttcttc 600
tgcgccagna aaaaaggcca cctgatggaa catccnggtg aaccgaaggn ggtgggtggc 660
ganaaactng gacttggggc c 681

```

&lt;210&gt; 2273

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (272)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (292)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (309)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (333)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2273

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ggcagagnca gatatccatg tgtggaagct ctgagtcact gaatagcaaa gaaaaaatatg 60
aaagcaagag gaattgcttt cacatctaga aaatgttgca agataatctg aaatcttctg 120
gtgctggtga atgcatgaag aggttcacag tatcttttaa agtacttctg gaaaagataa 180
ggagttaaaa aggtgggtgt gtacactggg cactgagctg cagtaggatt tttccttggg 240
atagtcctggt ctggagctgg gacacagctg cncctttgggg aaaggcccg tngcaagatg 300
attggaagna attctccctt attggtaggc cnttgacggc cctntttttc agcca 355

```

&lt;210&gt; 2274

&lt;211&gt; 100

&lt;212&gt; DNA

1561

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2274

gggattccca aagctgacat cacgtgggag ttaccggata agngcatct gaaggcangg 60  
gttcaggctc gtntgtatgg aaacanattt cttnaccccc 100

&lt;210&gt; 2275

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

## 1562

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<220>

1563

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cacagctatt taatatgtat ttcaacacta taccacacgc tatataatgt gtatttcagc 120  
aaatatacca caactattta atgtgtatctt cancantata ccacaactat gtgatgtgta 180  
tttcaacaat atgccacagc tntttaatat gtntttcaaa atnacacgca gtccttgctt 240  
tgcatantaa tgntgaaacc ataagaaatc accatactnc tgagactcta canaancagt 300  
gttnnatcat cagtgaagg aaattattat tctgtcacct ttacattttt atgtaaaaat 360

## 1564

attgaaaact ncaataatcn actataaaaag gttcnaatta agaaaaaatt naagaatata 420  
 tataangttc atattattca tacctc 446

<210> 2276

<211> 442

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (420)

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<220>

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<222> (422)

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<220>

<221> misc feature

<222> (428)

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<400> 2276

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 tggcagcagc tttcctcatg gcggccagta cgttgctcag ctctctccgc ttcctcttgg 120  
 cgcggtatgtg cgtccccacc cttttcttga taaatttgag ggcccgtttg tccttggaga 180  
 ccttcagtaa ctccatggcg cgccgctcgt acggggcaaa gccacacacc tcccgaatca 240  
 tgtcccgcac gaacttggtg tgtttggtca gacgcccgcg gcgtcgggct gtgcctgggg 300  
 cttgctcaag ttcttggtca ctttgtggnc cttgttgaag gccacgggc ataagggtag 360  
 cgtaagggcc aatggctgct gctctccaaa aaacggccgg ggggggcccgg taaccaaata 420  
 gncctaanag tgaagtcgga tt 442

<210> 2277

<211> 255

<212> DNA

<213> Homo sapiens

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1565

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1566

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<223> n equals a,t,g, or c

<220>  
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aggaacgcgc cncgcagcna ccatcatgcc tgggcacttt gaggnagggt tcggctgtnt 120  
ggtncaccaa ccgattcgnc canttannta acgacgtttc ggacccttc gagggtgctg 180  
aaggngtca gagaacangt aaaaagaagc cgggcggggn tcggcgtttg ngggccctgg 240  
ngtcaagttg cgcac 255

<210> 2278  
<211> 335  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<400> 2278  
ttttagancc tggctcagga tgaacgctag ctacaggctt aacacatgca agtcgagggg 60  
catcaggaag aaagcttgct ttctttgctg gcgaccggcg cacgggtgag taacacgtat 120



## 1567

```

ccaacctacc ctttactcgg ggatagcctt tcgaaagaaa gattaatacc cgatgggata 180
atcattccgc atgggtctgat tattaaagga ttccggtaaa ggatggggat gcgttccatt 240
agggttggtg tgaggtaacg gcccaccaag ccttcgatgg ataggggttc tgagaggaag 300
gtccccccaca ttggaactga gacacggtcc aaact 335

```

&lt;210&gt; 2279

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (538)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (540)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (543)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (548)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2279

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gtggagcaca annaaaagcc atcttggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcattgatct tgtggatagc tgtgtcccgagg gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa gggttctcgaa ataagaatga 240
caagtgtatg ttccttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300

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1568

aacaaagagt tctgaggatg ggtgtaagca tggaatgttg atggagttct cacttaaaga 360  
cctttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420  
gctttgccct gtcatttttg gtcatgaagc agcgtgcaat gttgccccac gtggcgtgta 480  
tgnttggtgt aacaccacga ccacctttgg tctgacggta actctttcaa aagatagntn 540  
ctntgganaa tttgcttttg gaacttggtg cccctgg 577

&lt;210&gt; 2280

&lt;211&gt; 372

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (224)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (300)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (355)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c